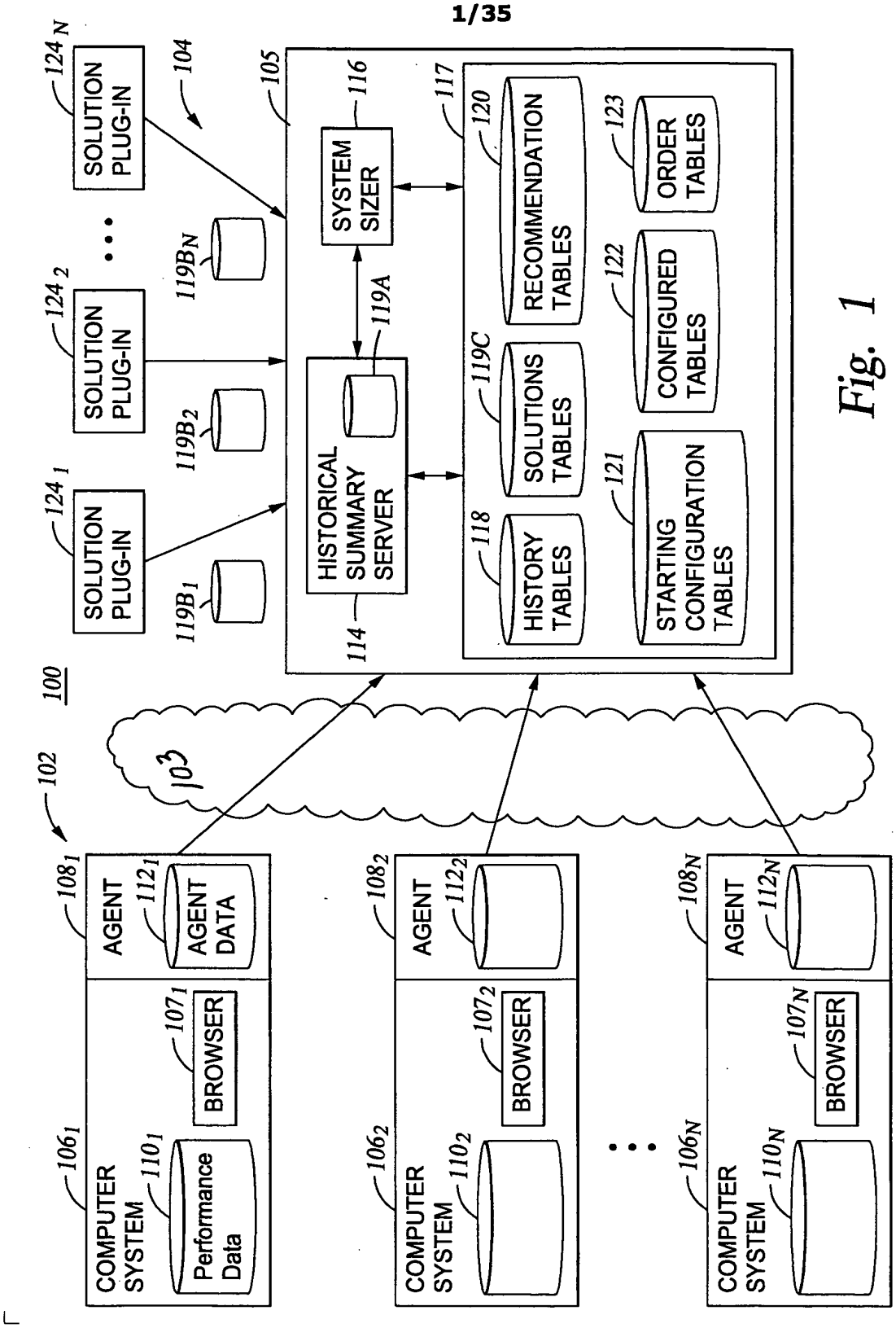
100
102
103
104
105
106 1
106 2
106 N
107 N
108 1
108 2
108 N
110 1
110 2
110 N
112 1
112 2
112 N
114
116
117
118
119A
119B 1
119B 2
119B N
119C
120
121
122
123
124 1
124 2
124 N
COMPUTER SYSTEM
Performance Data
AGENT
AGENT DATA
BROWSER
HISTORICAL SUMMARY SERVER
SYSTEM SIZER
HISTORY TABLES
SOLUTIONS TABLES
RECOMMENDATION TABLES
STARTING CONFIGURATION TABLES
CONFIGURED TABLES
ORDER TABLES
SOLUTION PLUG-IN

Fig. 1

TO52SO" TZES9860

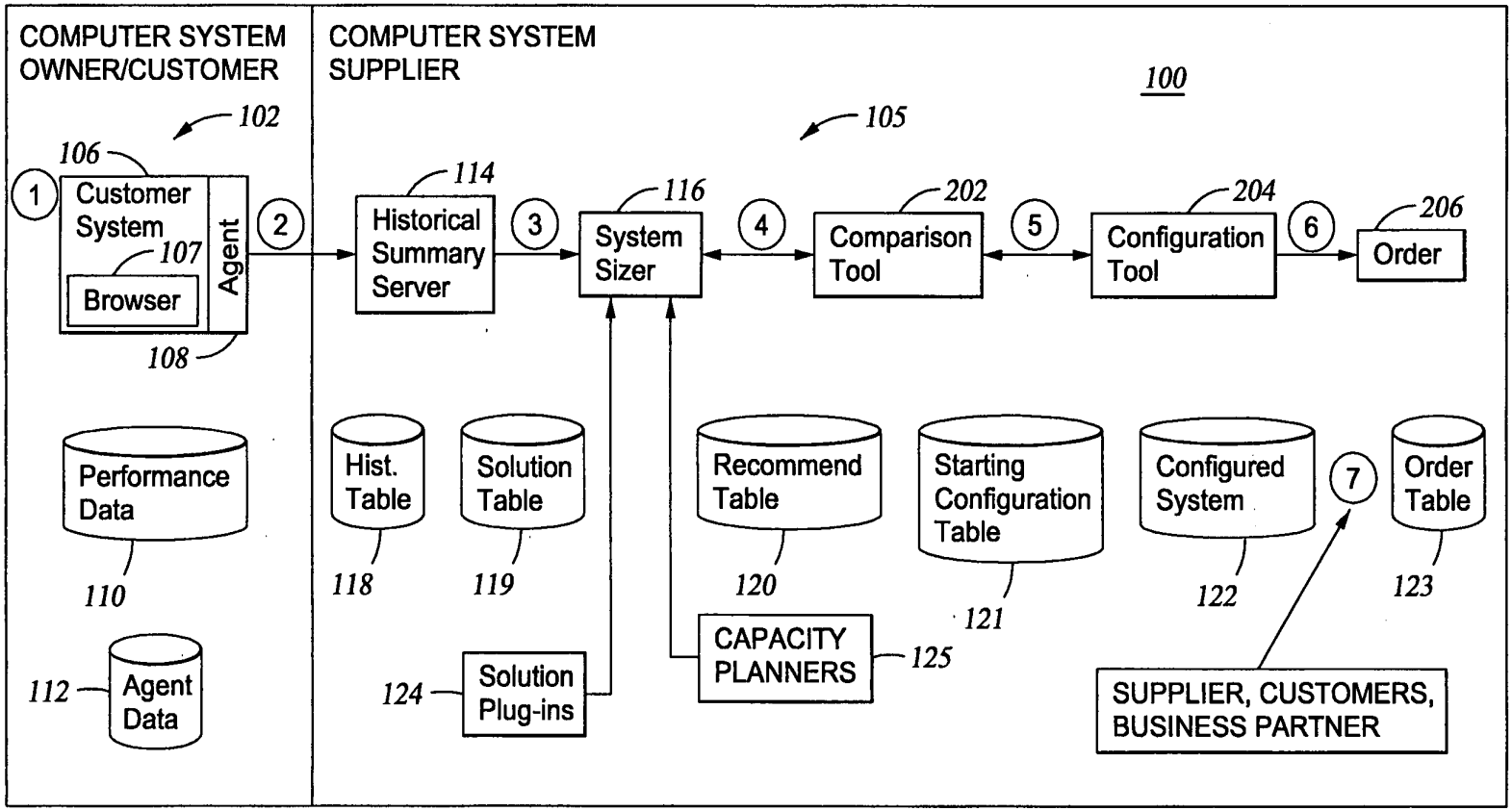

Fig. 2

Atty Dkt. No. ROC920010109US1
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Inventor: Emerick, et al.
Sheet 2 of 35

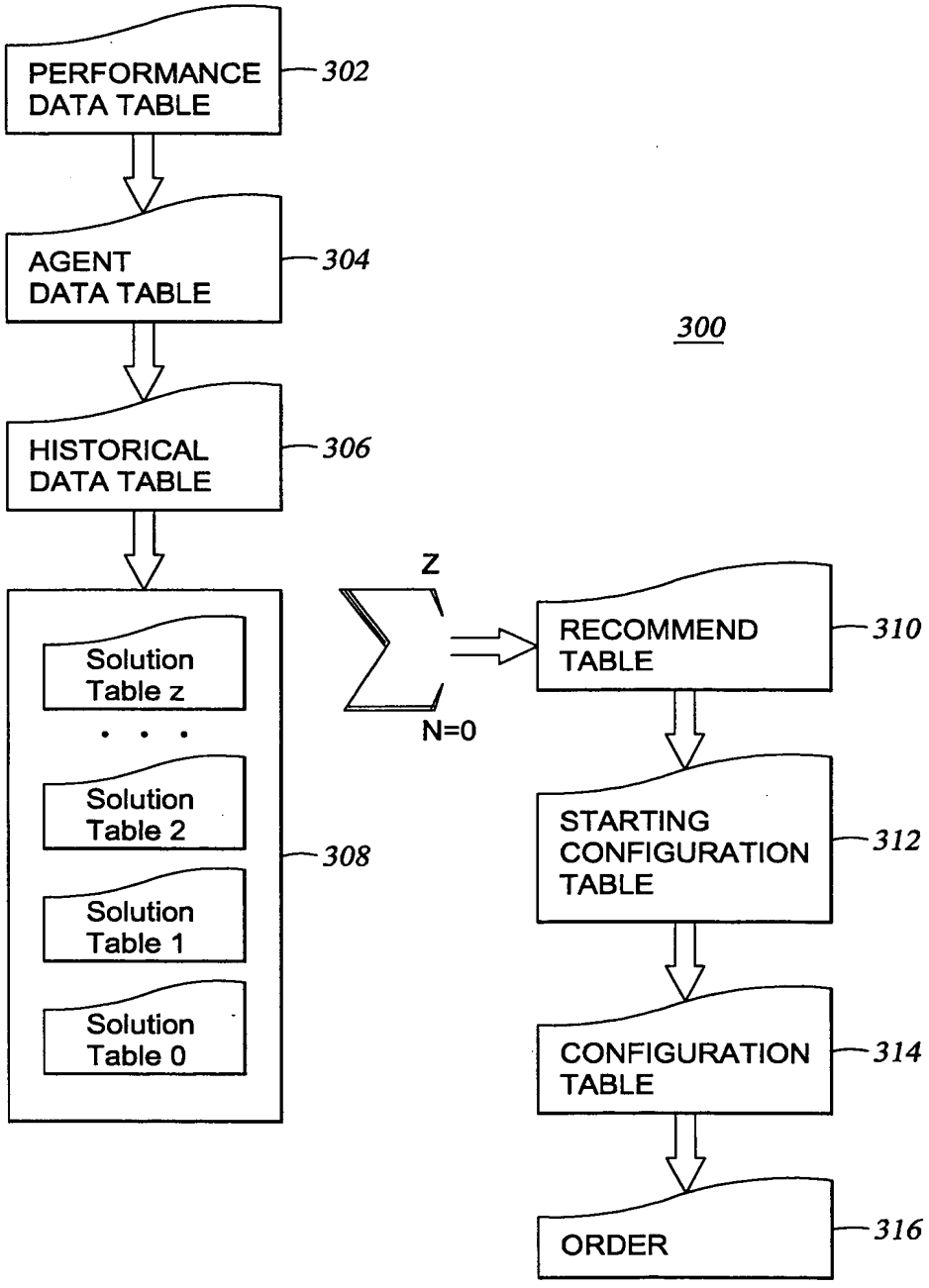
PERFORMANCE DATA TABLE
302
AGENT DATA TABLE
304
HISTORICAL DATA TABLE
306
300
Solution Table z
Solution Table 2
Solution Table 1
Solution Table 0
308
Z
N=0
RECOMMEND TABLE
310
STARTING CONFIGURATION TABLE
312
CONFIGURATION TABLE
314
ORDER
316

Fig. 3

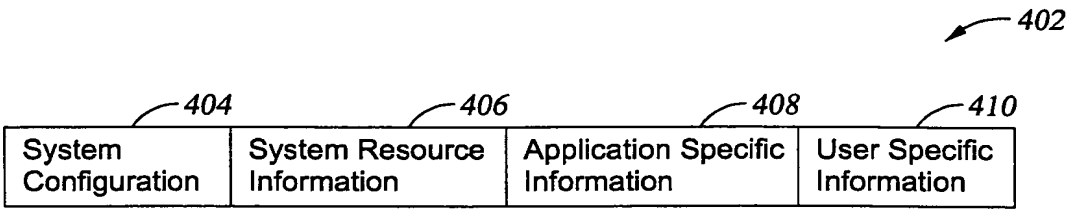
402
404
406
408
410
System Configuration
System Resource Information
Application Specific Information
User Specific Information

Fig. 4

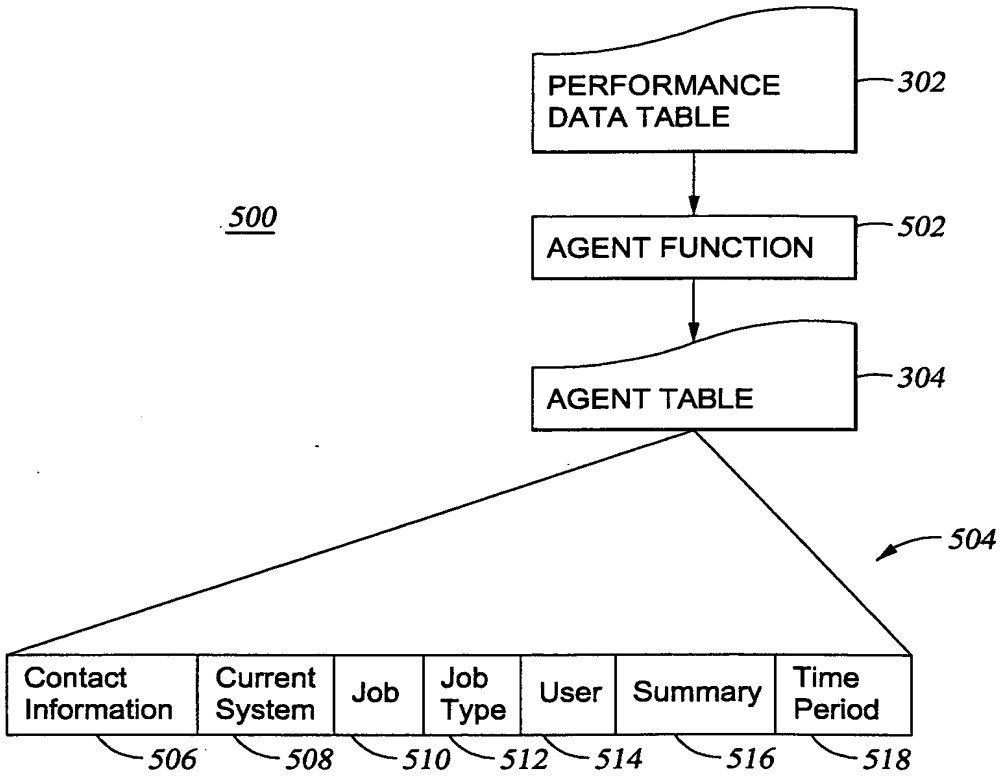
500
PERFORMANCE DATA TABLE
302
AGENT FUNCTION
502
AGENT TABLE
304
504
Contact Information
Current System
Job
Job Type
User
Summary
Time Period
506
508
510
512
514
516
518

Fig. 5

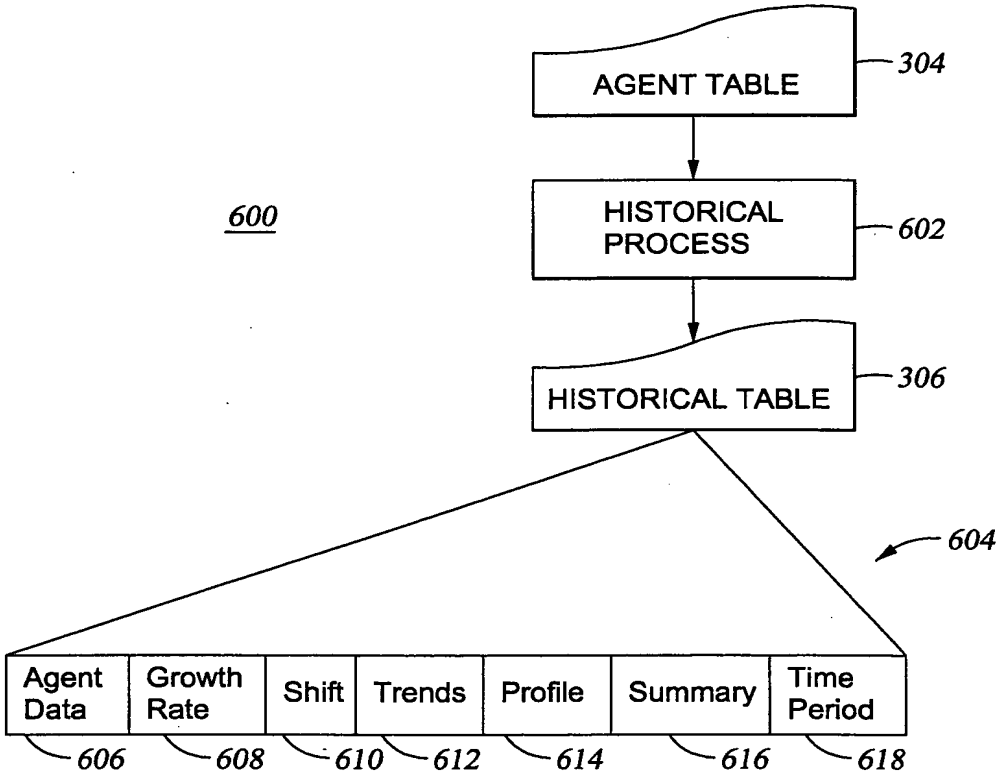
600
AGENT TABLE
304
HISTORICAL PROCESS
602
HISTORICAL TABLE
306
604
Agent Data
Growth Rate
Shift
Trends
Profile
Summary
Time Period
606
608
610
612
614
616
618

Fig. 6

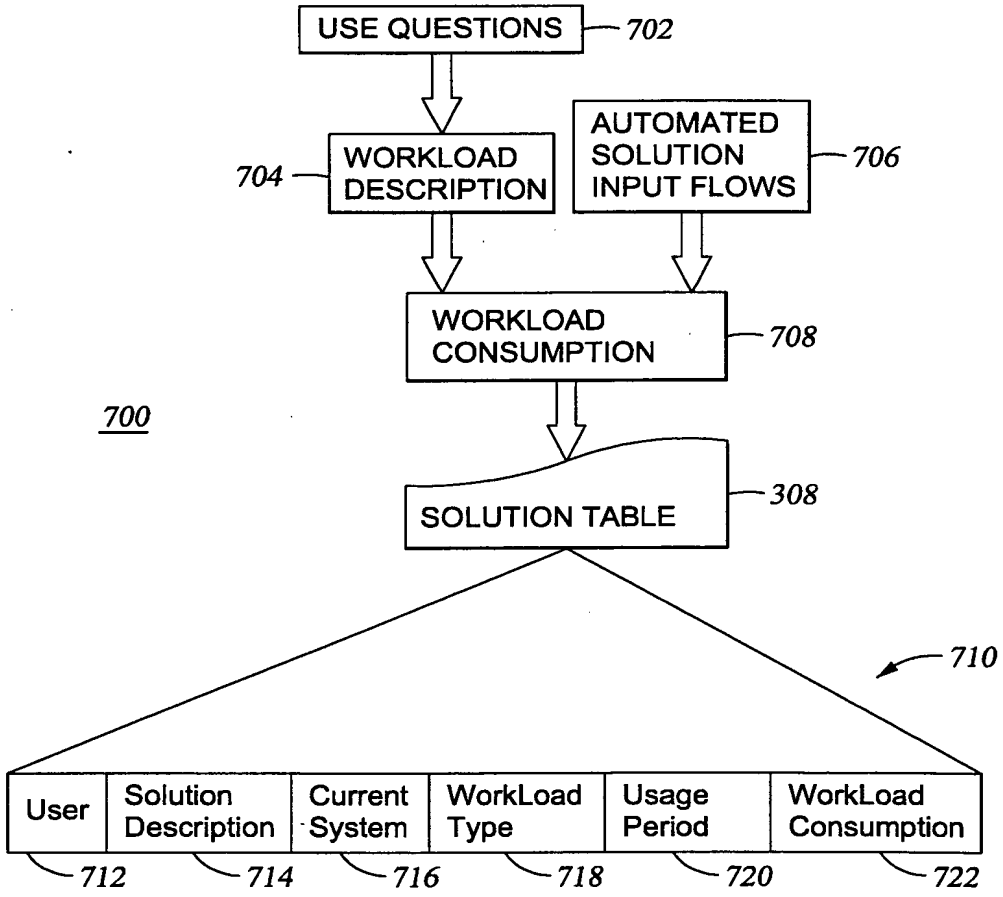
USE QUESTIONS
702
WORKLOAD DESCRIPTION
704
AUTOMATED SOLUTION INPUT FLOWS
706
WORKLOAD CONSUMPTION
708
700
SOLUTION TABLE
308
710
User
Solution Description
Current System
WorkLoad Type
Usage Period
WorkLoad Consumption
712
714
716
718
720
722

Fig. 7

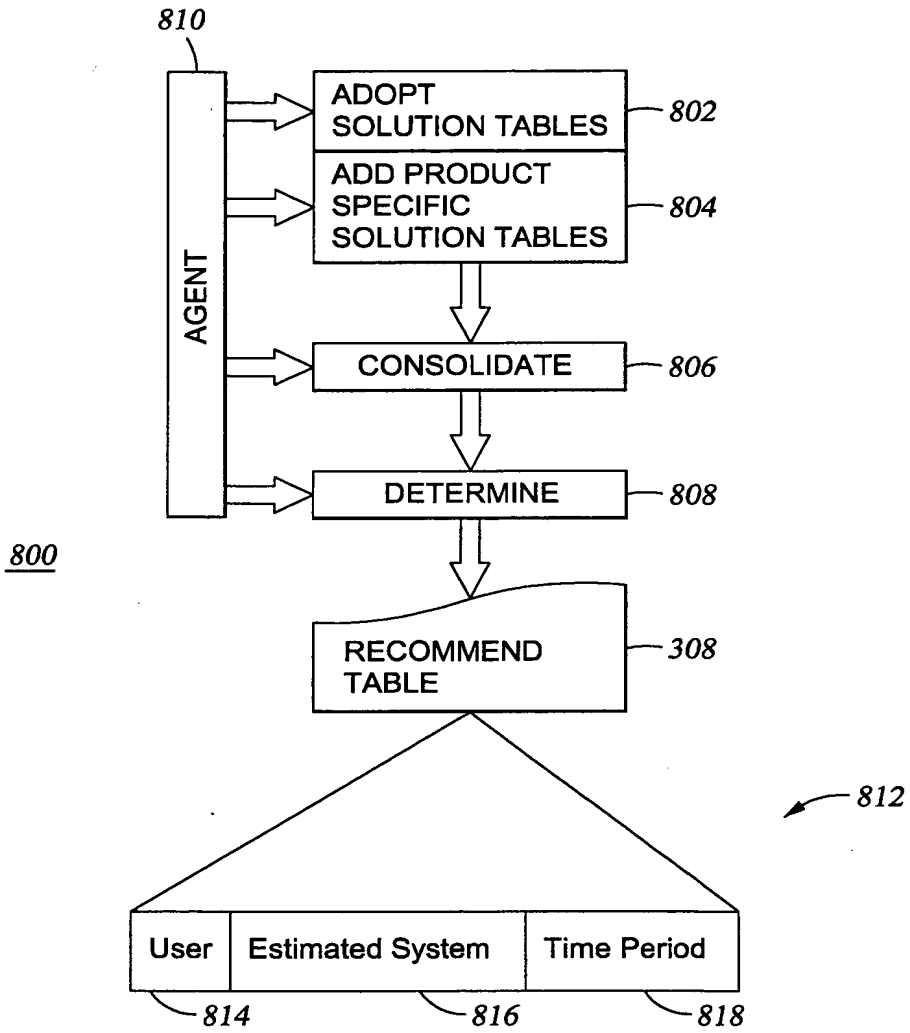
810
AGENT
ADOPT SOLUTION TABLES
802
ADD PRODUCT SPECIFIC SOLUTION TABLES
804
CONSOLIDATE
806
DETERMINE
808
800
RECOMMEND TABLE
308
812
User
Estimated System
Time Period
814
816
818

Fig. 8

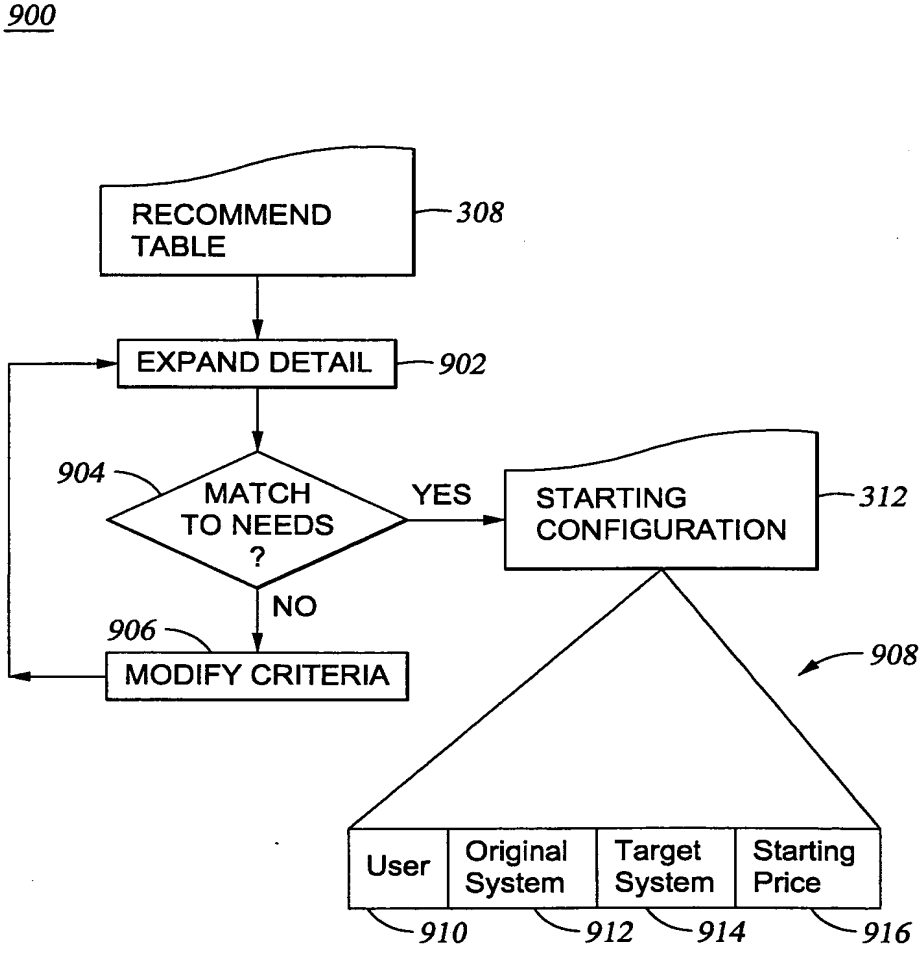
900
RECOMMEND TABLE
308
EXPAND DETAIL
902
904
MATCH TO NEEDS ?
YES
STARTING CONFIGURATION
312
NO
906
MODIFY CRITERIA
908
User
Original System
Target System
Starting Price
910
912
914
916

Fig. 9

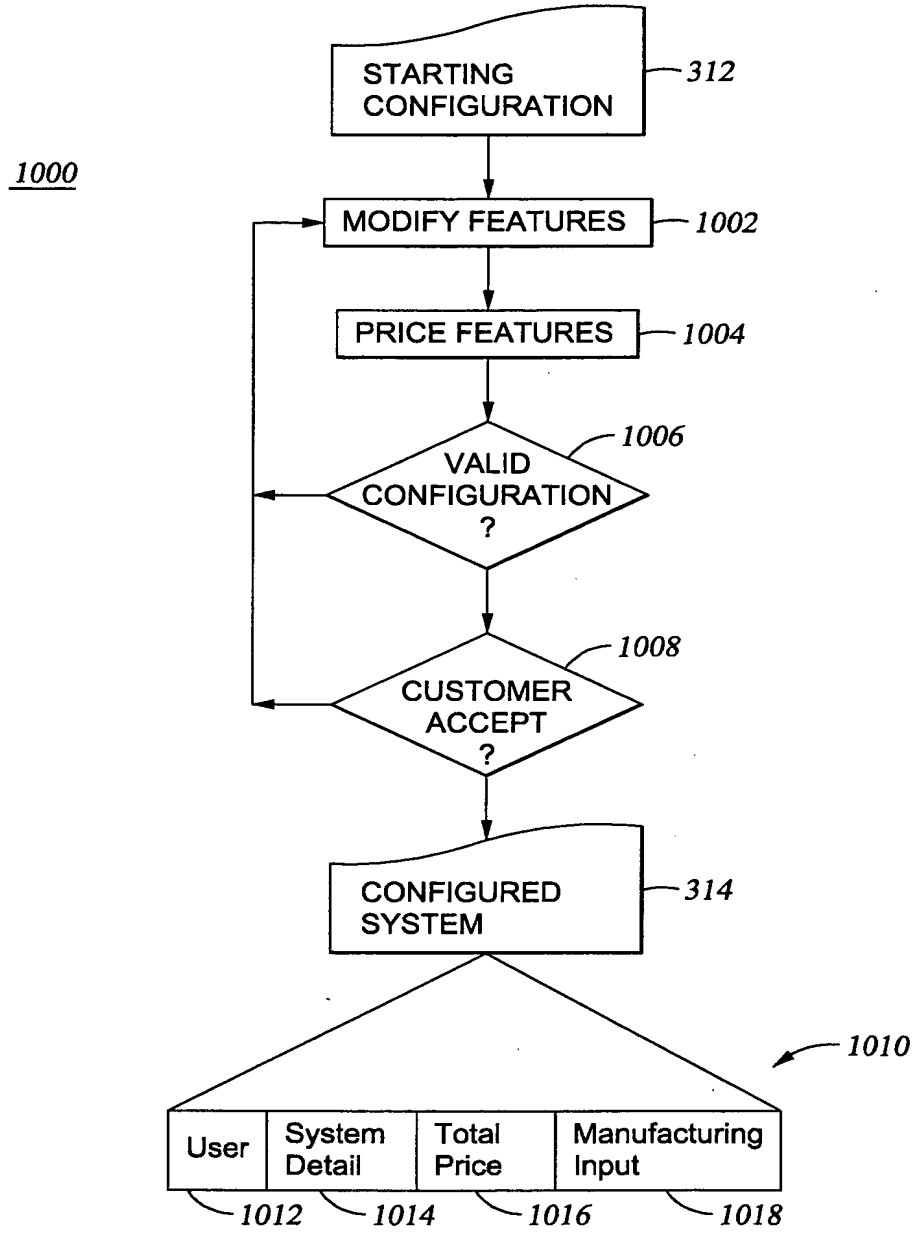
1000
STARTING CONFIGURATION
312
MODIFY FEATURES
1002
PRICE FEATURES
1004
VALID CONFIGURATION ?
1006
CUSTOMER ACCEPT ?
1008
CONFIGURED SYSTEM
314
1010
User
System Detail
Total Price
Manufacturing Input
1012
1014
1016
1018

Fig. 10

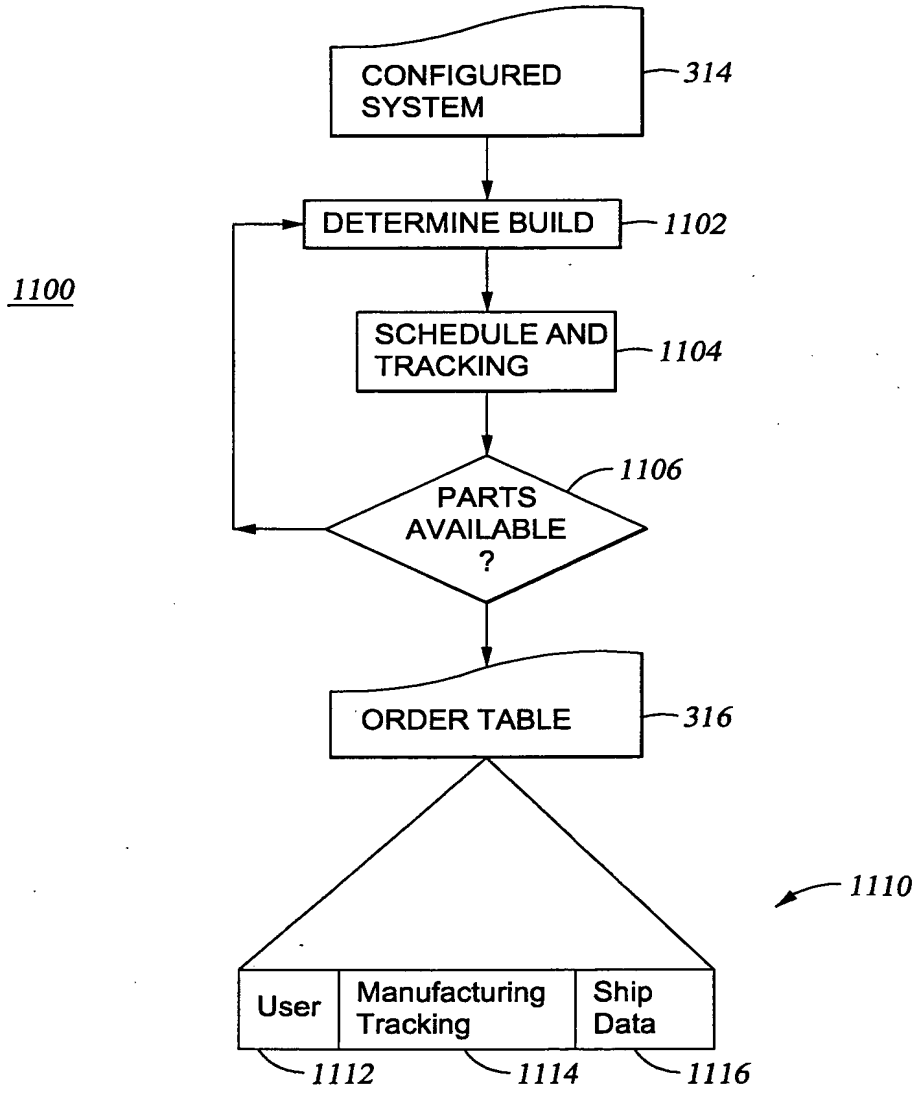

Fig. 11

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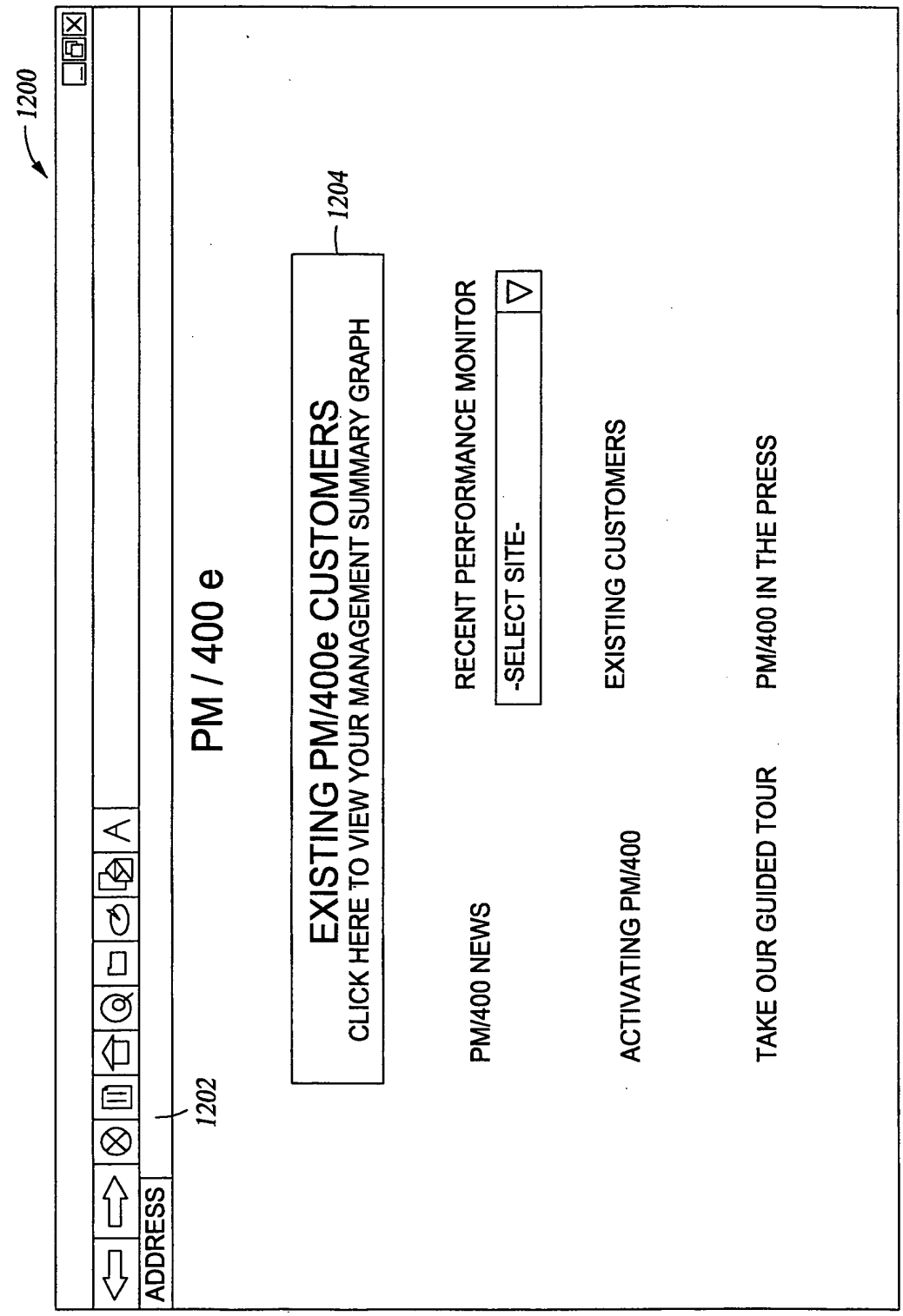

Fig. 12

Express Mail Label No. EV 275 950 704 US

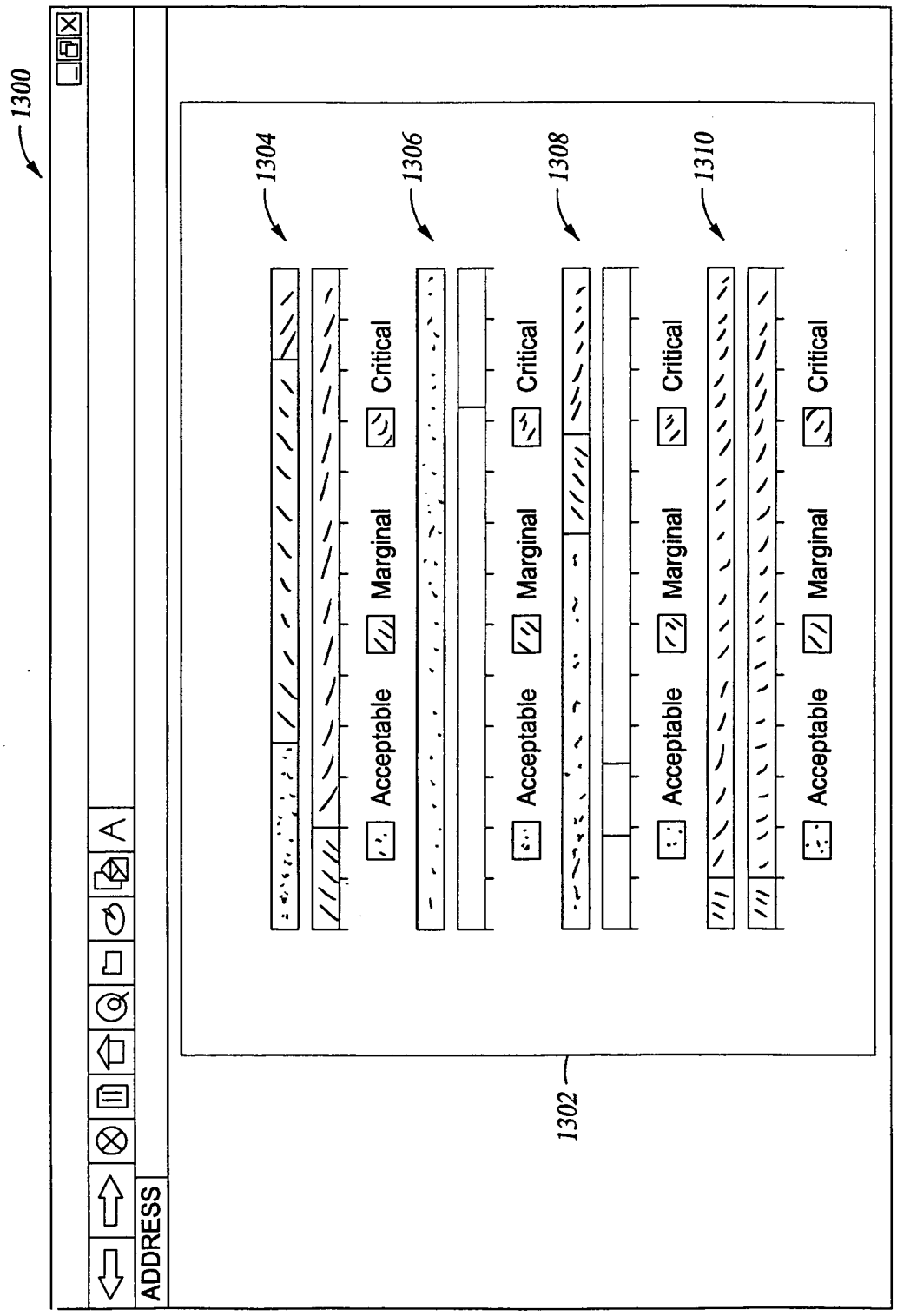

Fig. 13

EP 1 352 340 A2

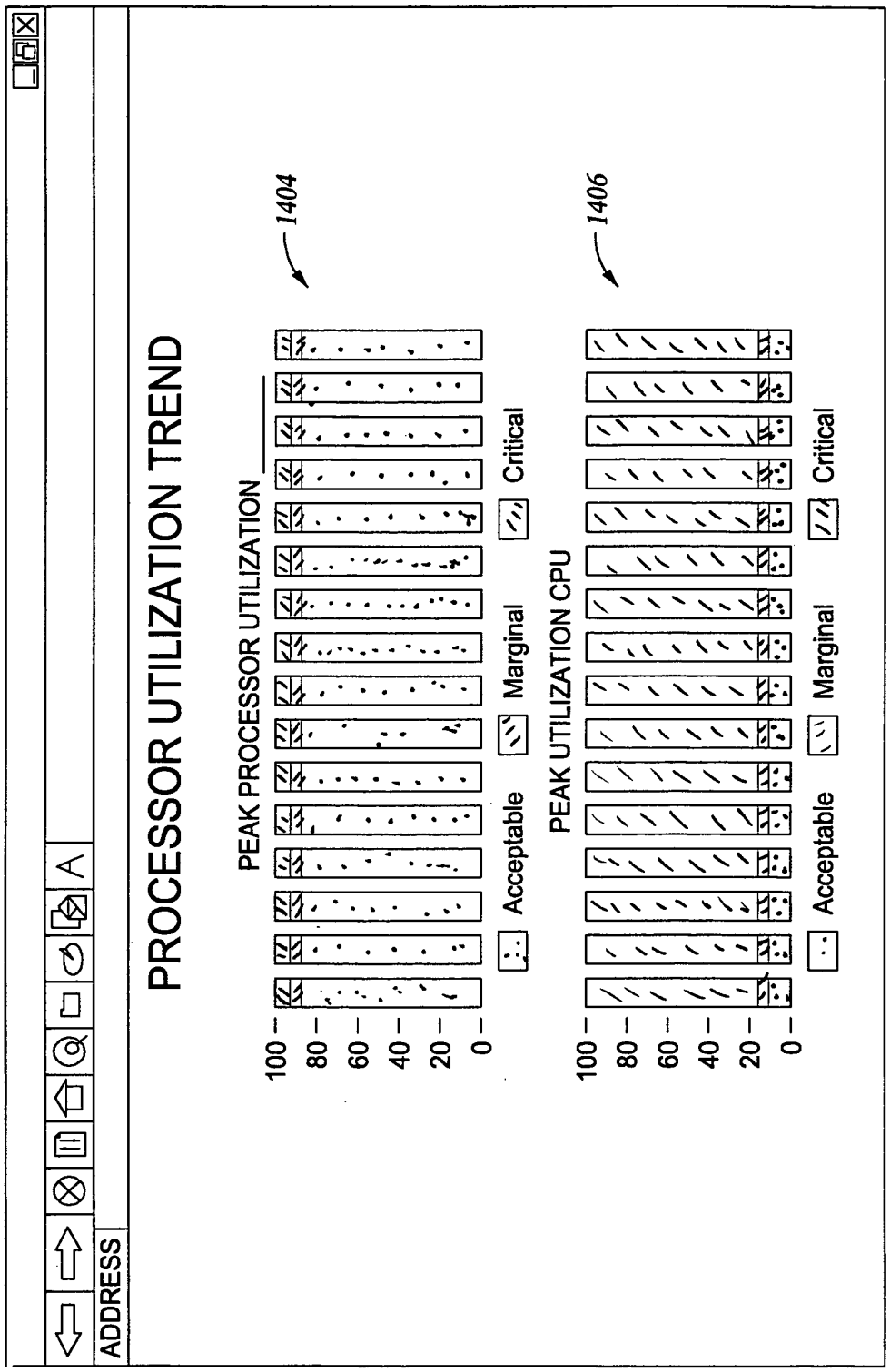

Fig. 14

ROC920010109US1

T09250" T7E59860

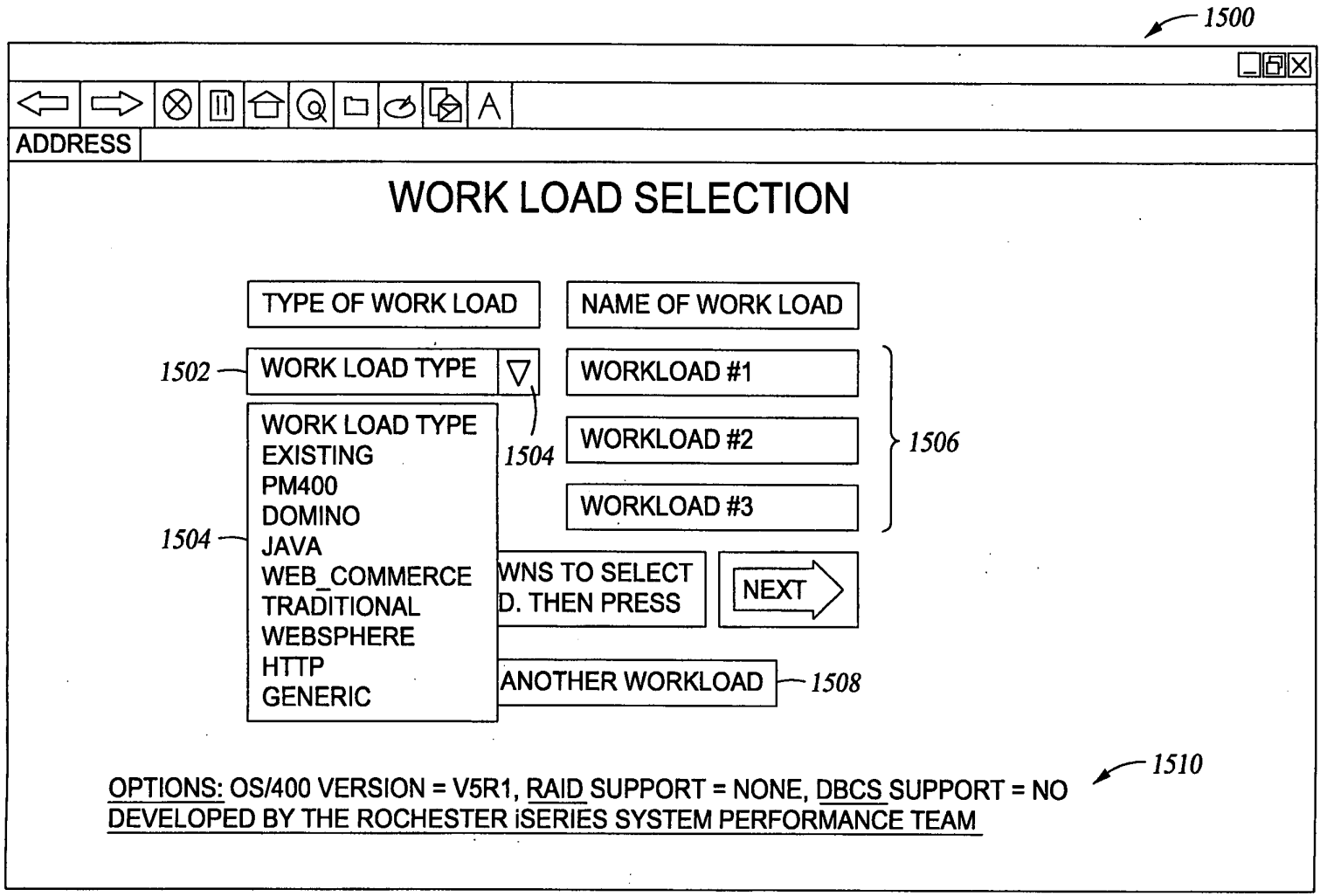

Fig. 15

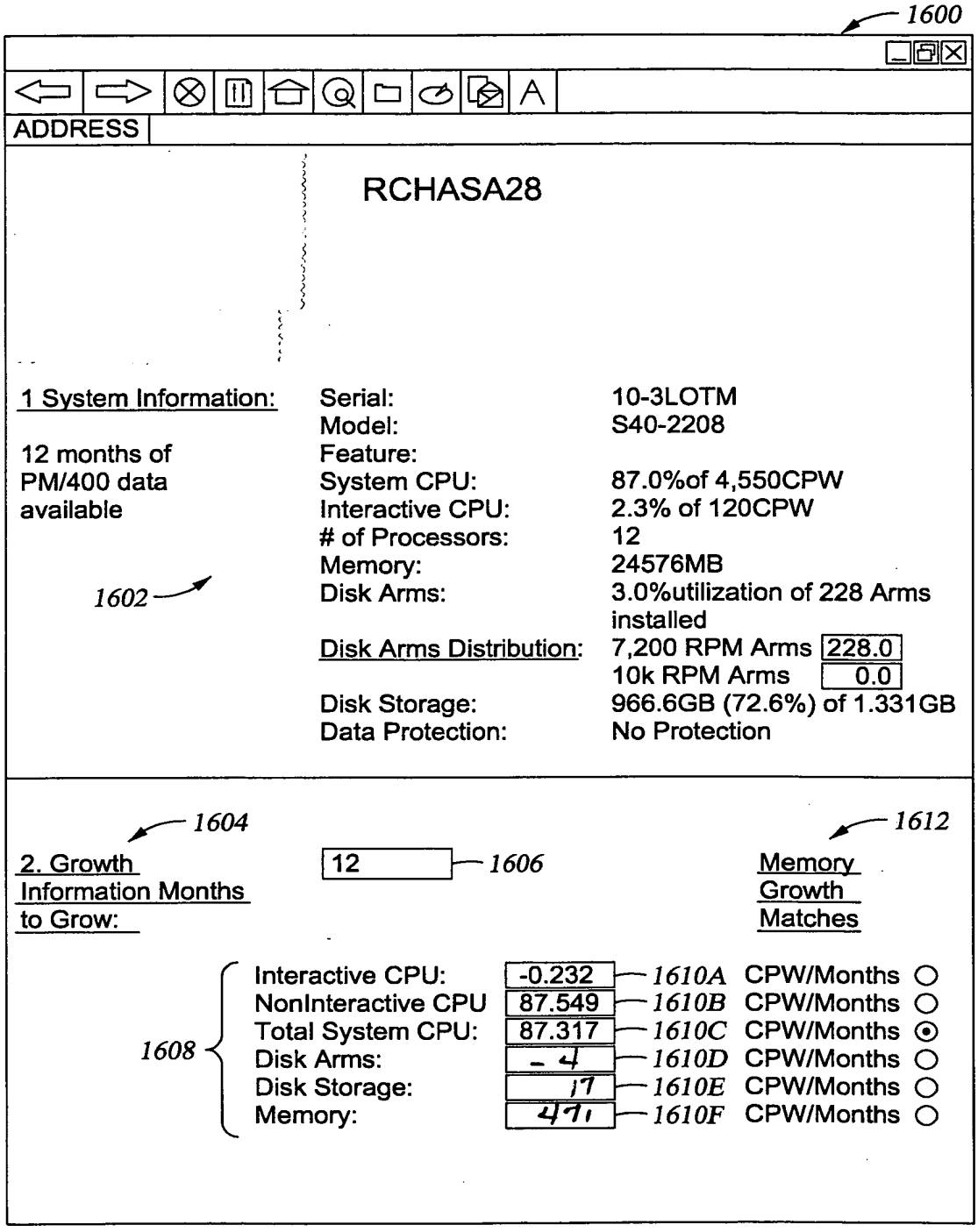
1600
ADDRESS
RCHASA28
1 System Information:
12 months of PM/400 data available
1602
Serial: 10-3LOTM
Model: S40-2208
Feature:
System CPU: 87.0%of 4,550CPW
Interactive CPU: 2.3% of 120CPW
# of Processors: 12
Memory: 24576MB
Disk Arms: 3.0%utilization of 228 Arms installed
Disk Arms Distribution: 7,200 RPM Arms 228.0
10k RPM Arms 0.0
Disk Storage: 966.6GB (72.6%) of 1.331GB
Data Protection: No Protection
1604
2. Growth Information Months to Grow:
12
1606
1612
Memory Growth Matches
1608
Interactive CPU: -0.232 1610A CPW/Months
NonInteractive CPU 87.549 1610B CPW/Months
Total System CPU: 87.317 1610C CPW/Months
Disk Arms: -4 1610D CPW/Months
Disk Storage: 17 1610E CPW/Months
Memory: 471 1610F CPW/Months

Fig. 16

T05250" T7E59860

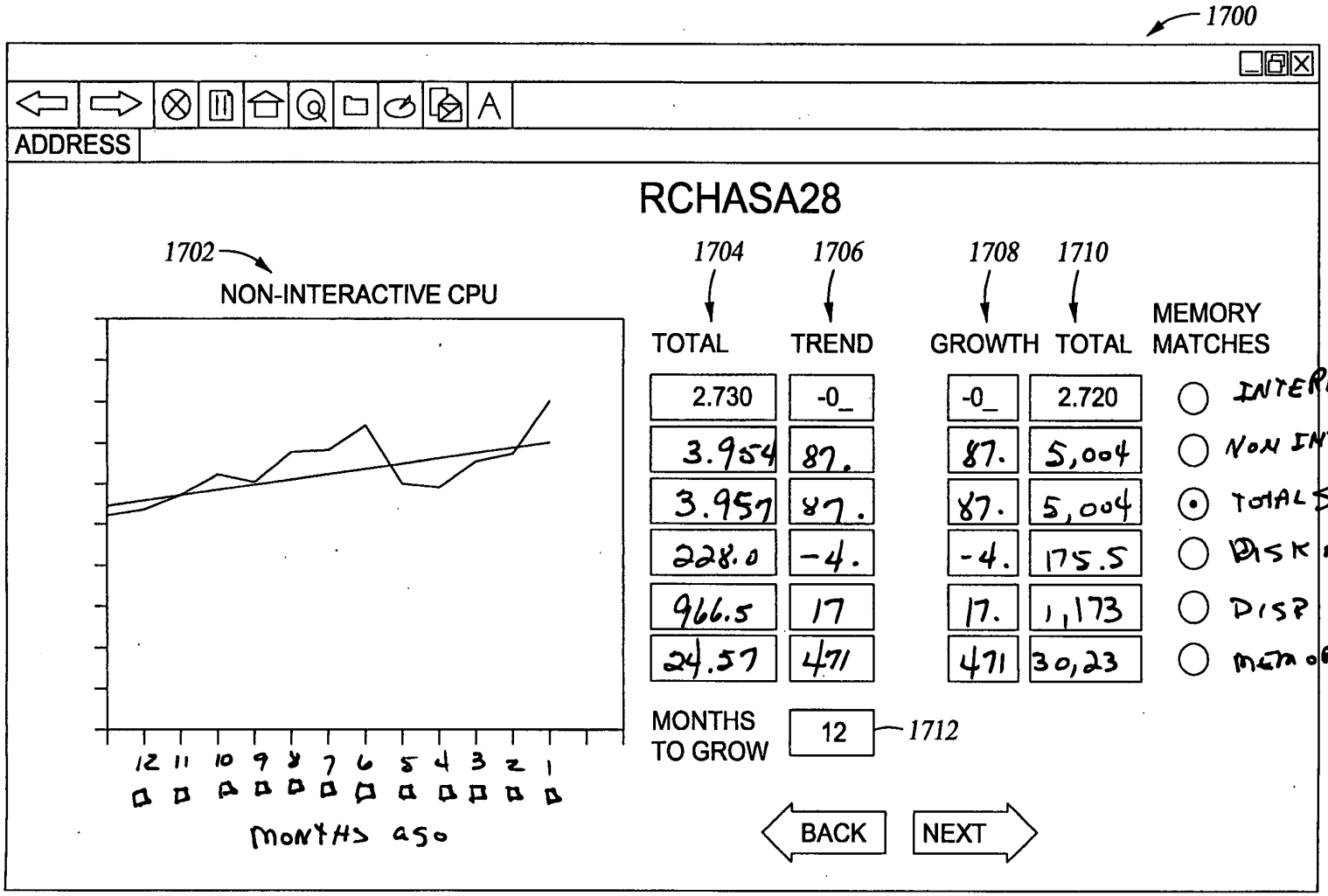

Fig. 17

Atty Dkt. No. ROC920010109US1
U.S. Serial No. UNKNOWN
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Inventor: Emerick, et al.
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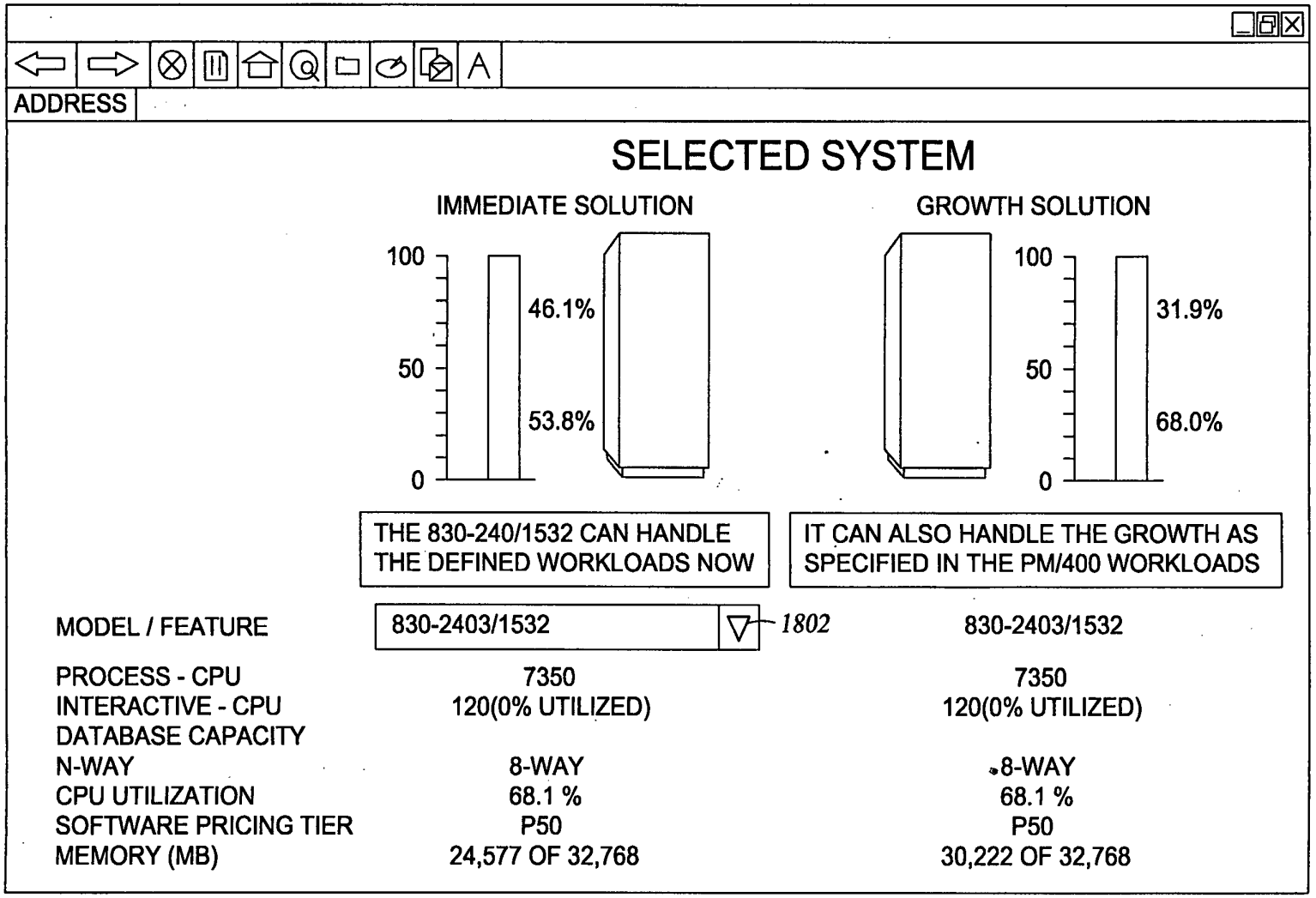
T05250" T2E59860



1800

Fig. 18

Atty Dkt. No. ROC920010109US1
U.S. Serial No. UNKNOWN
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Inventor: Emerick, et al.
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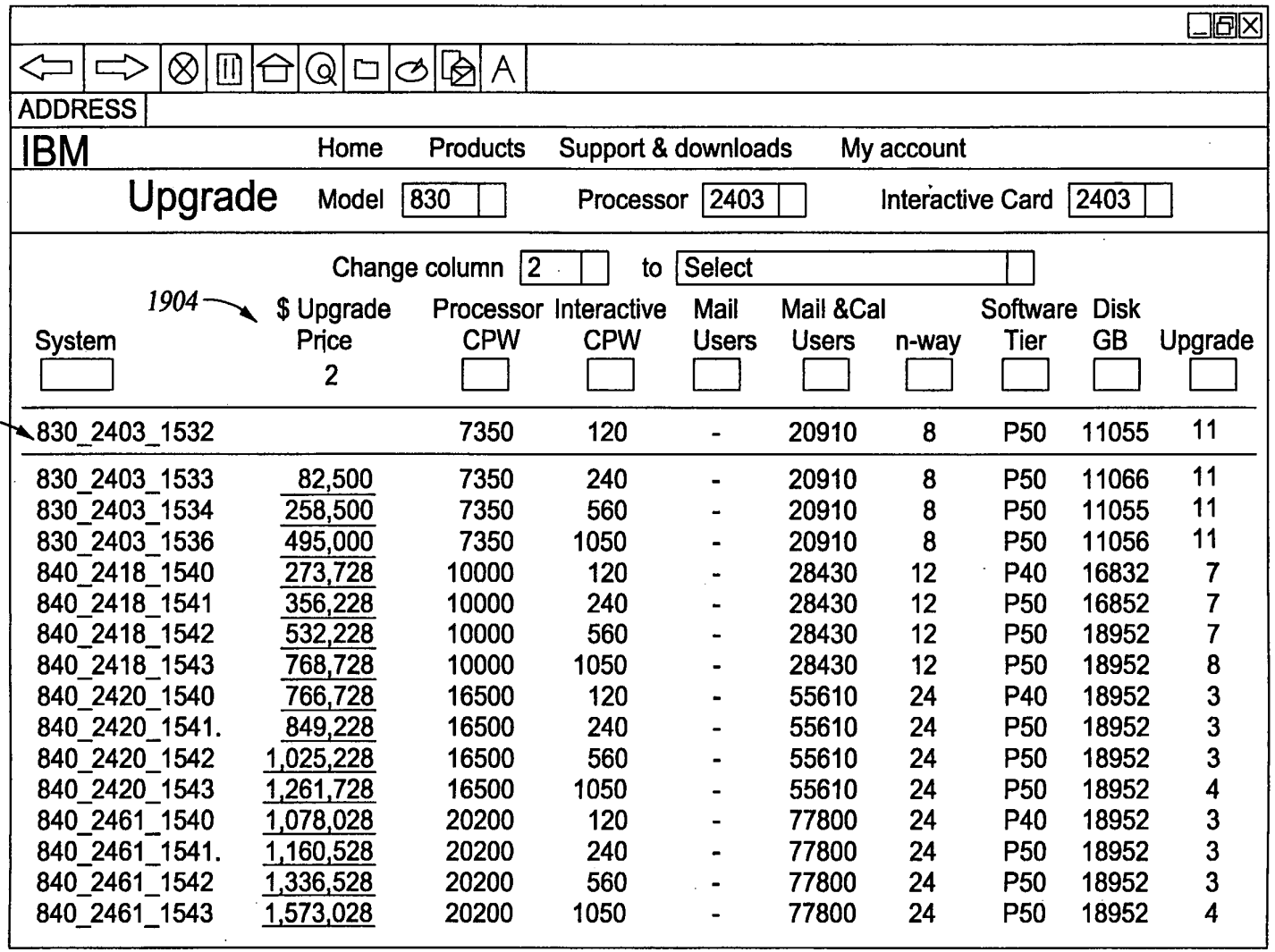
T05250" T/E59860



System	$ Upgrade Price 2	Processor CPW	Interactive CPW	Mail Users	Mail &Cal Users	n-way	Software Tier	Disk GB	Upgrade
830_2403_1532		7350	120	-	20910	8	P50	11055	11
830_2403_1533	82,500	7350	240	-	20910	8	P50	11066	11
830_2403_1534	258,500	7350	560	-	20910	8	P50	11055	11
830_2403_1536	495,000	7350	1050	-	20910	8	P50	11056	11
840_2418_1540	273,728	10000	120	-	28430	12	P40	16832	7
840_2418_1541	356,228	10000	240	-	28430	12	P50	16852	7
840_2418_1542	532,228	10000	560	-	28430	12	P50	18952	7
840_2418_1543	768,728	10000	1050	-	28430	12	P50	18952	8
840_2420_1540	766,728	16500	120	-	55610	24	P40	18952	3
840_2420_1541.	849,228	16500	240	-	55610	24	P50	18952	3
840_2420_1542	1,025,228	16500	560	-	55610	24	P50	18952	3
840_2420_1543	1,261,728	16500	1050	-	55610	24	P50	18952	4
840_2461_1540	1,078,028	20200	120	-	77800	24	P40	18952	3
840_2461_1541.	1,160,528	20200	240	-	77800	24	P50	18952	3
840_2461_1542	1,336,528	20200	560	-	77800	24	P50	18952	3
840_2461_1543	1,573,028	20200	1050	-	77800	24	P50	18952	4

Fig. 19

Atty Dkt. No. ROC920010109US1
U.S. Serial No. UNKNOWN
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Inventor: Emerick, et al.
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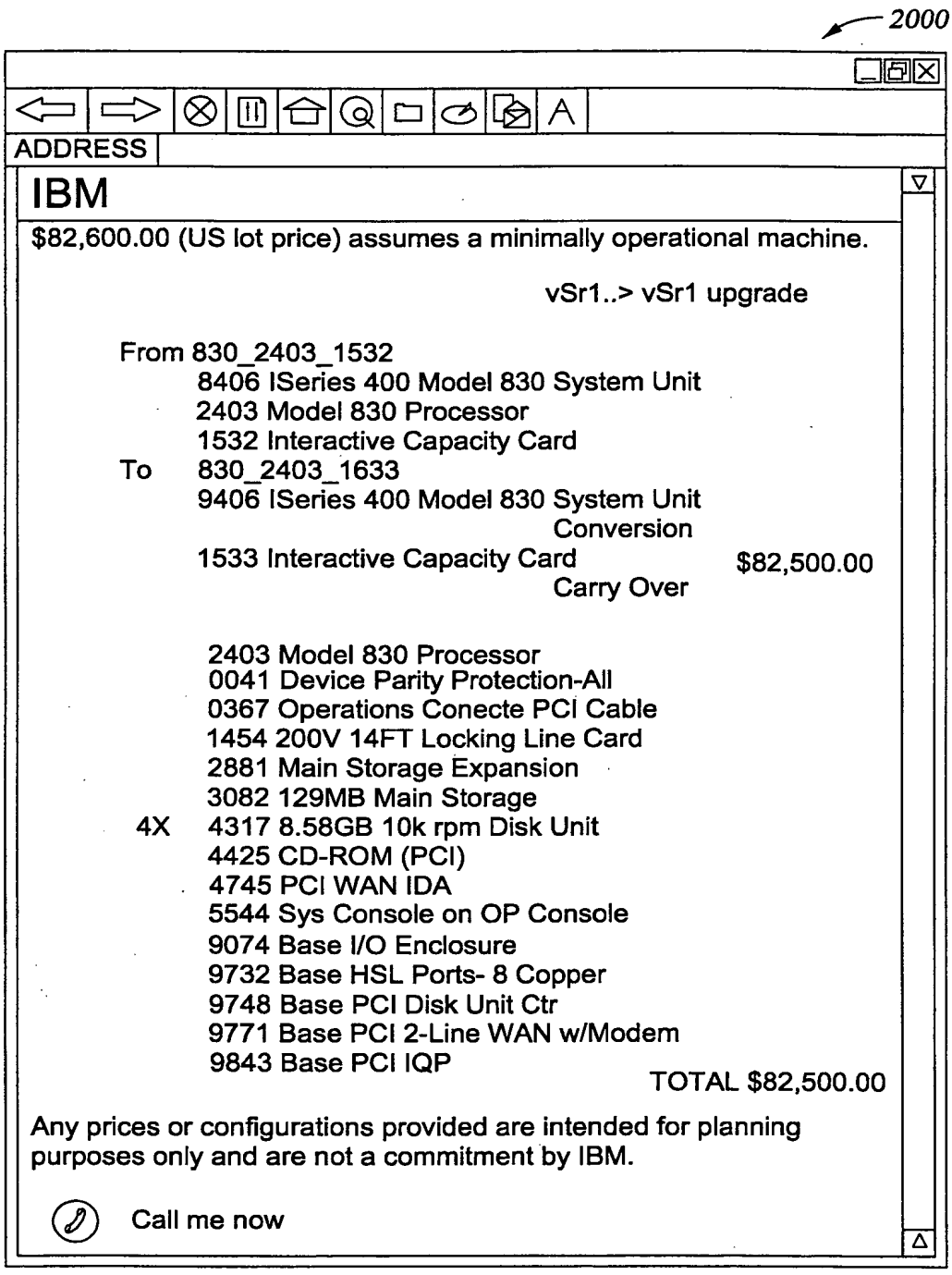
2000
ADDRESS
IBM
$82,600.00 (US lot price) assumes a minimally operational machine.
vSr1..> vSr1 upgrade
From 830_2403_1532
8406 ISeries 400 Model 830 System Unit
2403 Model 830 Processor
1532 Interactive Capacity Card
To 830_2403_1633
9406 ISeries 400 Model 830 System Unit
Conversion
1533 Interactive Capacity Card $82,500.00
Carry Over
2403 Model 830 Processor
0041 Device Parity Protection-All
0367 Operations Conecte PCI Cable
1454 200V 14FT Locking Line Card
2881 Main Storage Expansion
3082 129MB Main Storage
4X 4317 8.58GB 10k rpm Disk Unit
4425 CD-ROM (PCI)
4745 PCI WAN IDA
5544 Sys Console on OP Console
9074 Base I/O Enclosure
9732 Base HSL Ports- 8 Copper
9748 Base PCI Disk Unit Ctr
9771 Base PCI 2-Line WAN w/Modem
9843 Base PCI IQP
TOTAL $82,500.00
Any prices or configurations provided are intended for planning purposes only and are not a commitment by IBM.
Call me now

Fig. 20

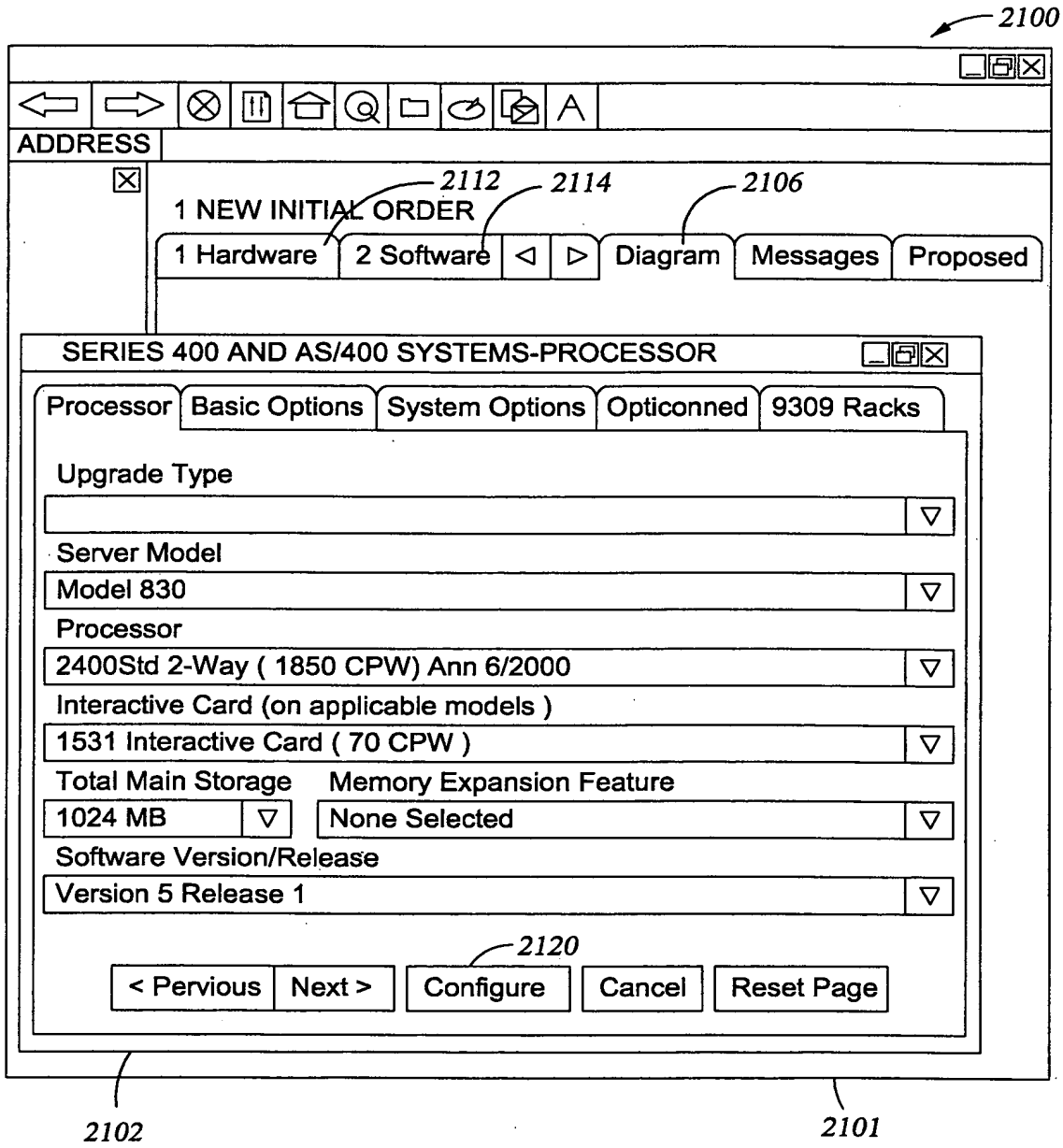
2100
ADDRESS
1 NEW INITIAL ORDER
2112
2114
2106
1 Hardware
2 Software
Diagram
Messages
Proposed
SERIES 400 AND AS/400 SYSTEMS-PROCESSOR
Processor
Basic Options
System Options
Opticonned
9309 Racks
Upgrade Type
Server Model
Model 830
Processor
2400Std 2-Way (1850 CPW) Ann 6/2000
Interactive Card (on applicable models)
1531 Interactive Card (70 CPW)
Total Main Storage
1024 MB
Memory Expansion Feature
None Selected
Software Version/Release
Version 5 Release 1
2120
< Pervious
Next >
Configure
Cancel
Reset Page
2102
2101

Fig. 21

INDIVIDUAL ITEMS

Qty	Part No.	Description	Available	Item Price	Line Total	
1	9406-8XX-5079	1.8m I/O Tower		$56,600.00	$56,600.00	Remove
1	9406-8XX-5101	30-Disk Expansion Feature		$9,000.00	$9,000.00	Remove
1	9406-840-5150	Battery Backup (External)		$2,500.00	$2,500.00	Remove
1	9406-8XX-2685	1063 Mbps OptiConnect Receiver, 830/840 - for initial & MES upgrade orders, 820 - for field upgrade (MES) orders only		$5,000.00	$5,000.00	Remove
1	9406-820-5157	Feature Power Supply		$1,950.00	$1,950.00	Remove
1	9406-820-7127	DASD Expansion Unit (820 Only)		$850.00	$850.00	Remove
4	9406-8XX-2796	256 MB Netfinity IOP Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3		$805.00	$3,200.00	Remove
1	9406-8XX-2797	1 GB Netfinity IOP Memory 850 MHz PCI for i Series 820,830, 840,SB2, SB3		$6,995.00	$6,995.00	Remove
6	9406-8XX-4318	17.54GB 10k rpm Disk Unit (Ultra-2 SCSI)		$2,520.00	$15,120.00	Remove
4	9406-8XX-4331	1.6GB Read Cache Device		$37,000.00	$148,000.00	Remove
1	9406-8XX-2748	PCI RAID Disk Unit Ctlr		$6,000.00	$6,000.00	Remove

Subtotal $255,235.00* Recalculate

2200

Fig. 22

ROC920010109US1

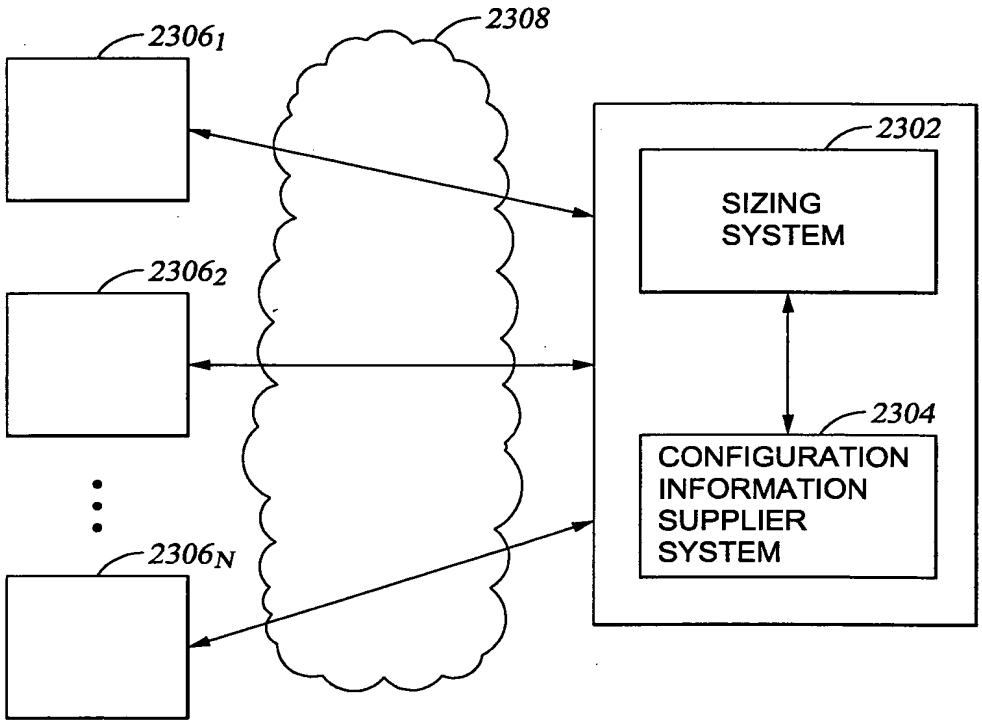
2306$_1$
2308
2302
SIZING SYSTEM
2306$_2$
2304
CONFIGURATION INFORMATION SUPPLIER SYSTEM
2306$_N$

Fig. 23

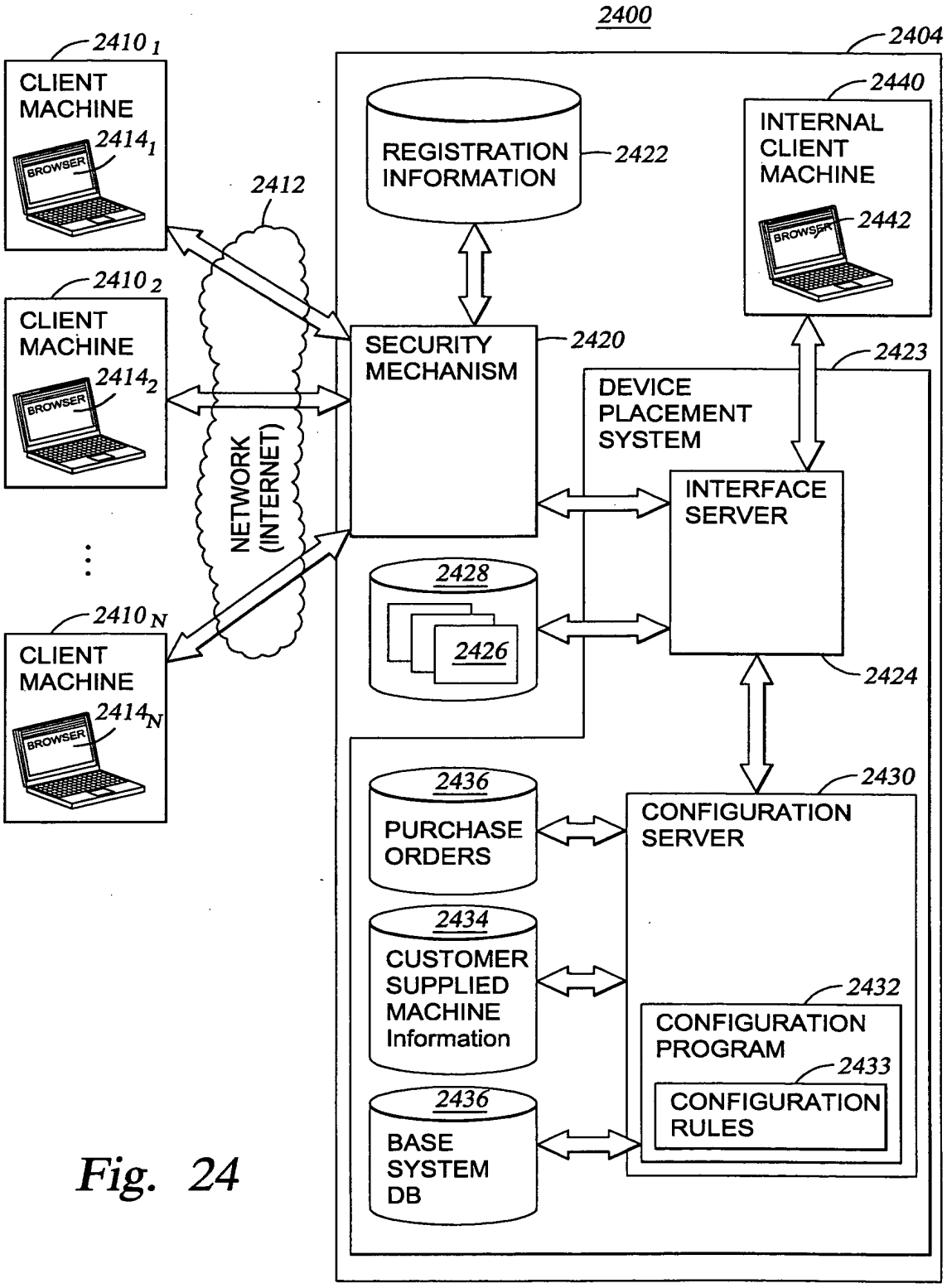

Fig. 24

ROC920010109US1

T05250 T/ES9860

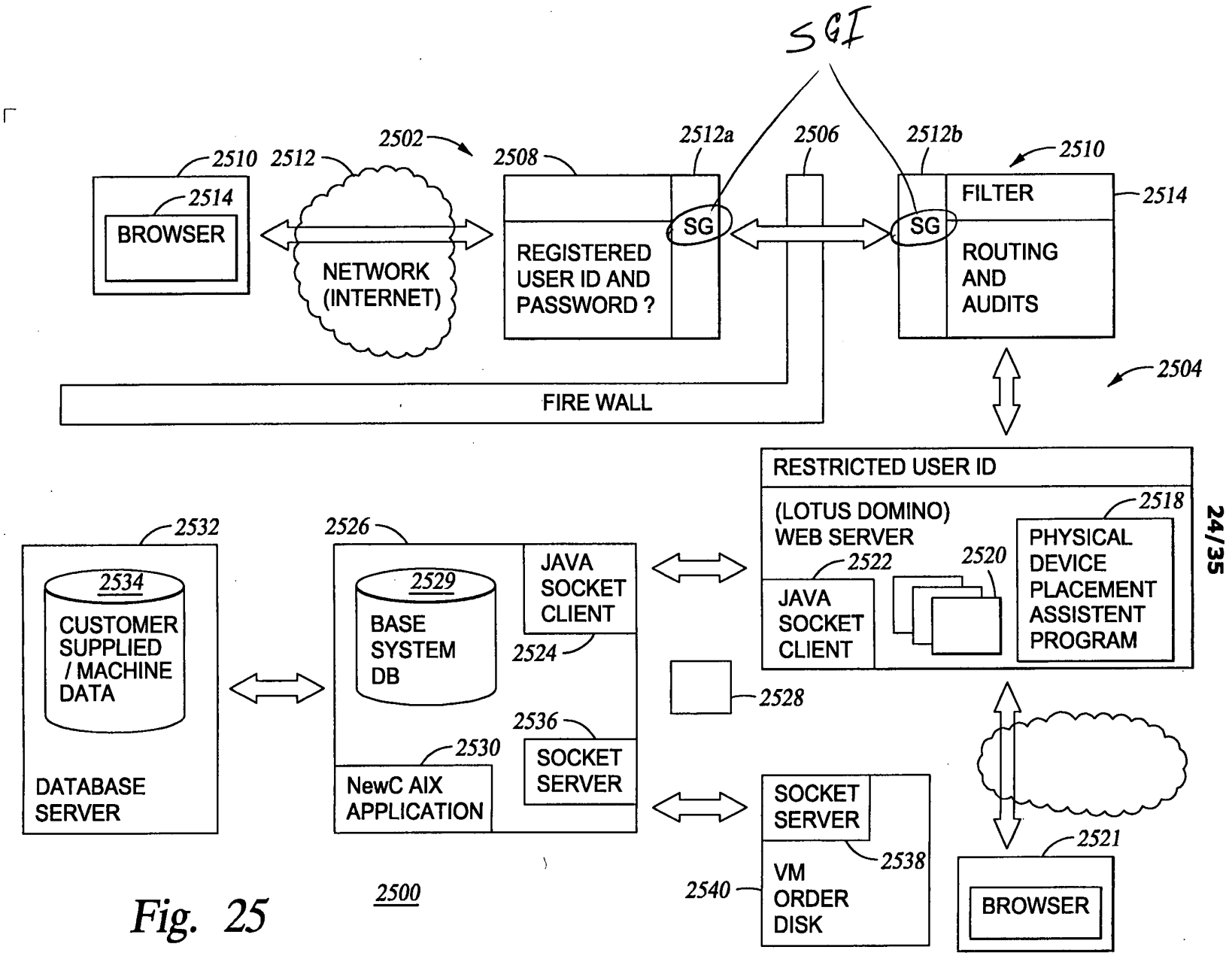

Fig. 25

Atty Dkt. No. ROC920010109US1
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Inventor: Emerick, et al.
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2628A

228A

2602 KEY	2604 VALUE	2606 DESCRIPTION
MTM	9406170	MACHINE TYPE MODEL
SN	0012345	SERIAL NUMBER
VPD	01/02/07	VITAL PRODUCT DATA
CFG	00110031	CONFIGURATION LEVEL
T, 5065	01C00	KEY = TOWER . TOWERTYPE VALUE = TOWER LOCATION
FC 2722 (2610) O. 5065 . 02L01 . CC08 (2612) (2608)	2722 2721	TYPE . TOWERTYPE . TOWERLOCATION . SLOTLOCATION
MSG		START OF CONFIGURATION MESSAGES
END		END OF CONFIGURATION MESSAGES

Fig. 26A

Atty Dkt. No. ROC920010109US1
U.S. Serial No. UNKNOWN
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Inventor: Emerick, et al.
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T05250" T/ES9860

2628B

228B

2602 KEY	2604 VALUE	2606 DESCRIPTION
MTM	9406170	MACHINE TYPE MODEL
SN	0012345	SERIAL NUMBER
VPD	01/02/07	VITAL PRODUCT DATA
CFG	00110031	CONFIGURATION LEVEL
T, 5065	01C00	KEY = TOWER . TOWERTYPE VALUE = TOWER LOCATION
2608 N. 5065 . 02L01 . CC09 2610 O. 5065 . 02L01 . CC08 2612	2722 2721	TYPE . TOWERTYPE . TOWERLOCATION . SLOTLOCATION
MSG		START OF CONFIGURATION MESSAGES
END		END OF CONFIGURATION MESSAGES

Fig. 26B

TO5250" TZE59860

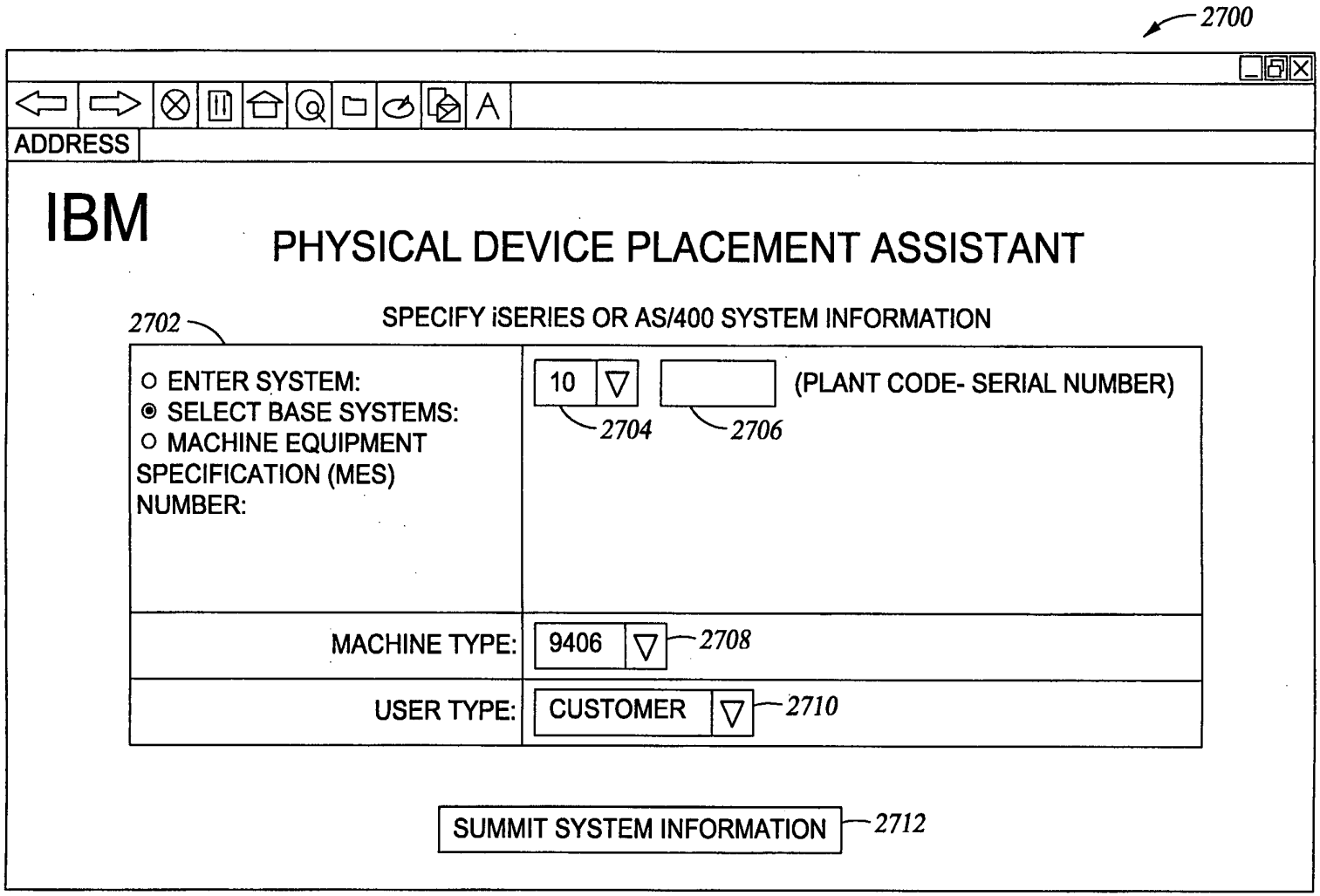

Fig. 27

Atty Dkt. No. ROC920010109US1
U.S. Serial No. UNKNOWN
Filed: HEREWITH
Applicant: IBM
Inventor: Emerick, et al.
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T05250" TZE59860

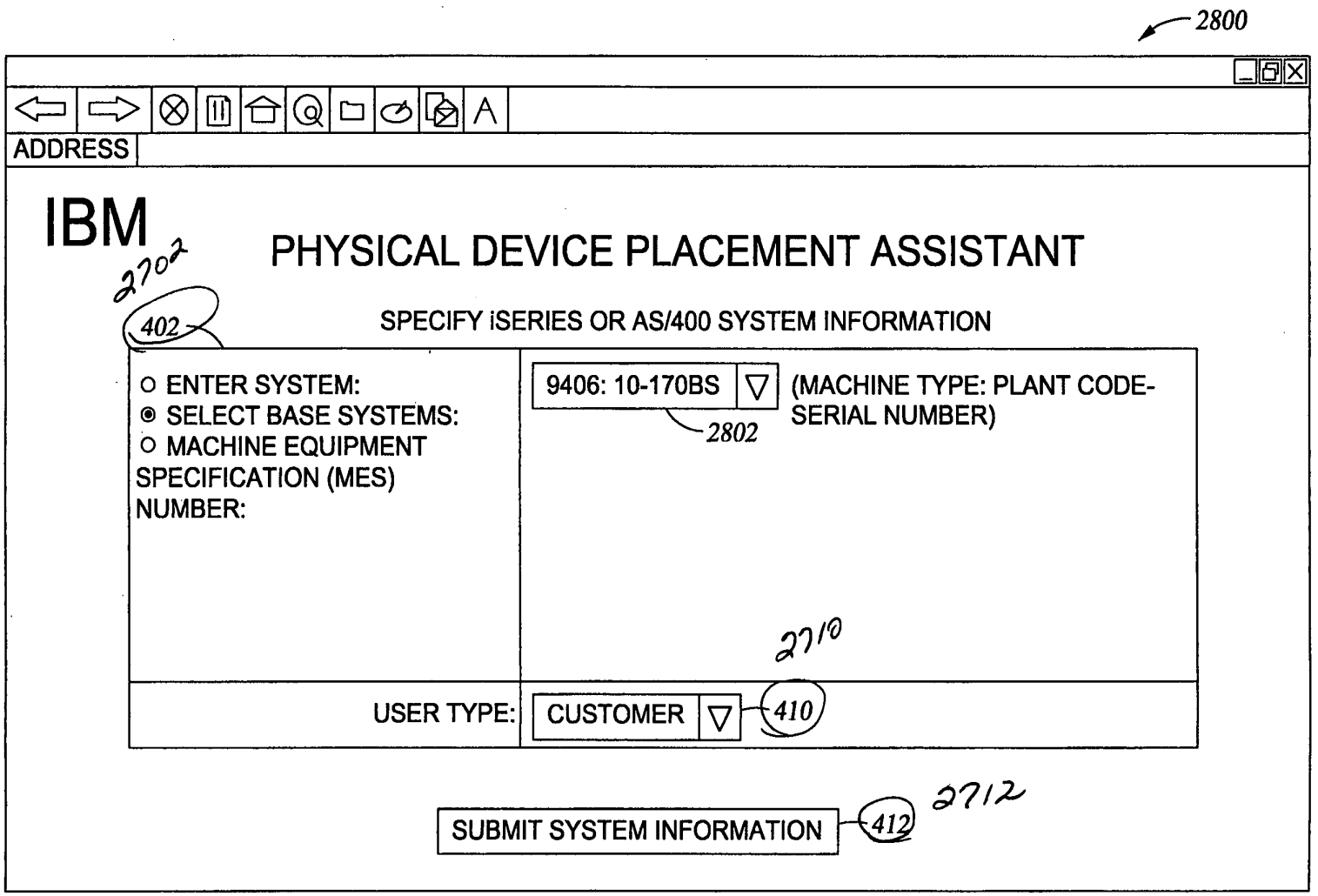

Fig. 28

Atty Dkt. No. ROC920010109US1
U.S. Serial No. UNKNOWN
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Inventor: Emerick, et al.
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TOS250" T/ES9860

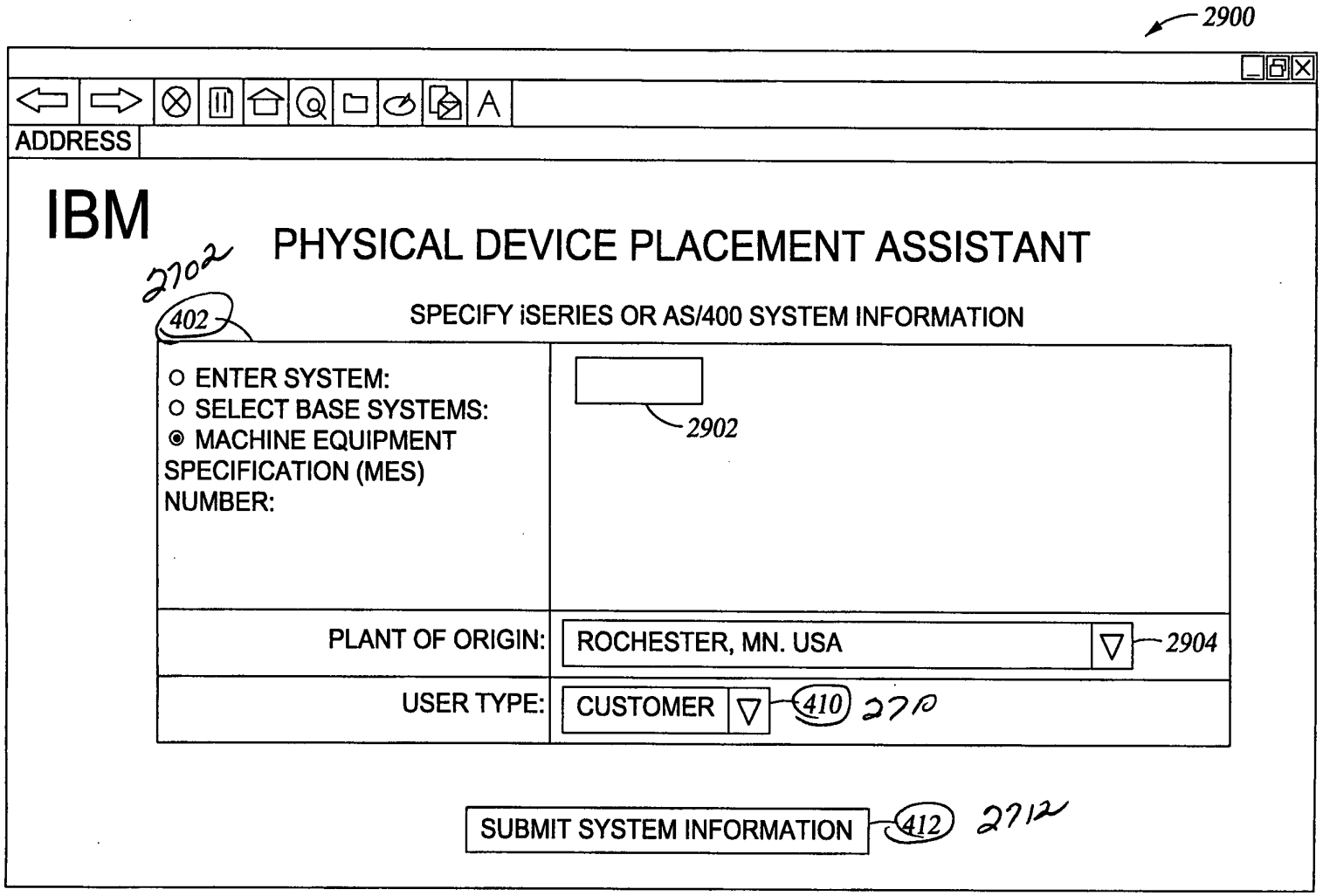

Fig. 29

Atty Dkt. No. ROC920010109US1
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Inventor: Emerick, et al.
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Fig. 30

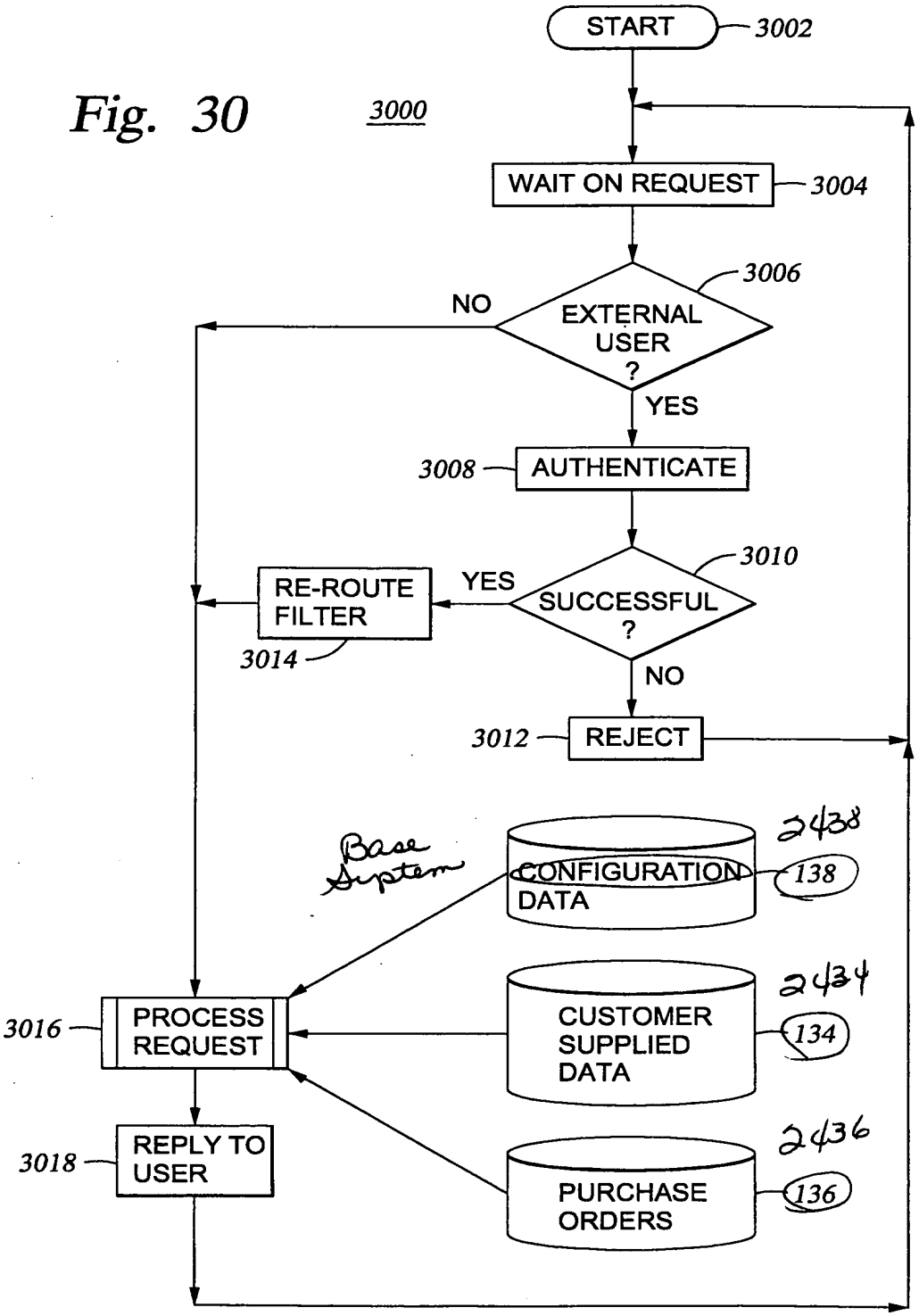

FIG920010109US1 - 09/955,463

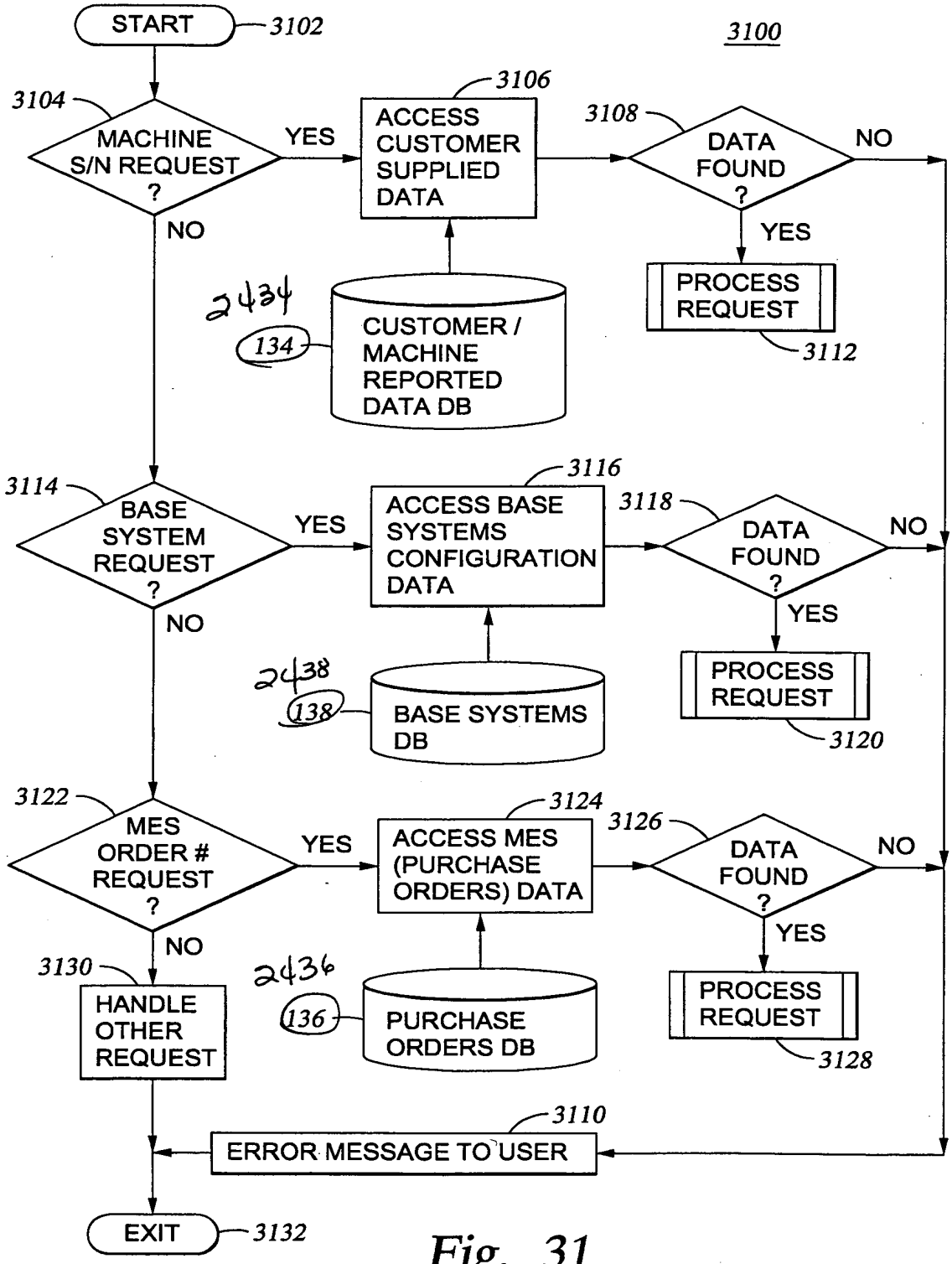
START
3102
3100
3104
MACHINE S/N REQUEST ?
YES
NO
3106
ACCESS CUSTOMER SUPPLIED DATA
3108
DATA FOUND ?
NO
YES
PROCESS REQUEST
3112
2434
134
CUSTOMER / MACHINE REPORTED DATA DB
3114
BASE SYSTEM REQUEST ?
YES
NO
3116
ACCESS BASE SYSTEMS CONFIGURATION DATA
3118
DATA FOUND ?
NO
YES
PROCESS REQUEST
3120
2438
138
BASE SYSTEMS DB
3122
MES ORDER # REQUEST ?
YES
NO
3124
ACCESS MES (PURCHASE ORDERS) DATA
3126
DATA FOUND ?
NO
YES
PROCESS REQUEST
3128
3130
HANDLE OTHER REQUEST
2436
136
PURCHASE ORDERS DB
3110
ERROR MESSAGE TO USER
EXIT
3132

Fig. 31

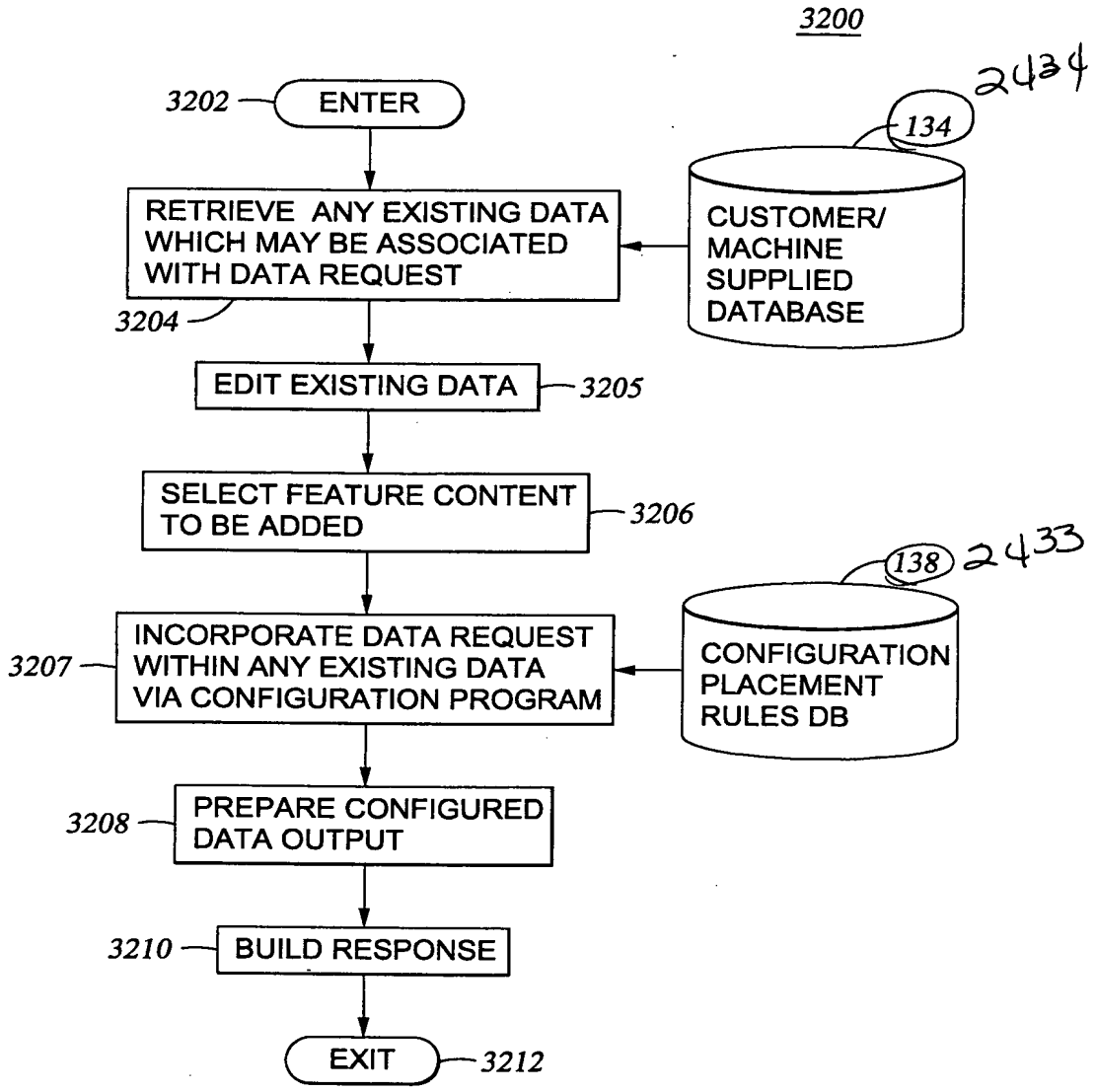
3200
3202
ENTER
RETRIEVE ANY EXISTING DATA WHICH MAY BE ASSOCIATED WITH DATA REQUEST
3204
2434
134
CUSTOMER/ MACHINE SUPPLIED DATABASE
EDIT EXISTING DATA
3205
SELECT FEATURE CONTENT TO BE ADDED
3206
2433
138
CONFIGURATION PLACEMENT RULES DB
3207
INCORPORATE DATA REQUEST WITHIN ANY EXISTING DATA VIA CONFIGURATION PROGRAM
3208
PREPARE CONFIGURED DATA OUTPUT
3210
BUILD RESPONSE
EXIT
3212

Fig. 32

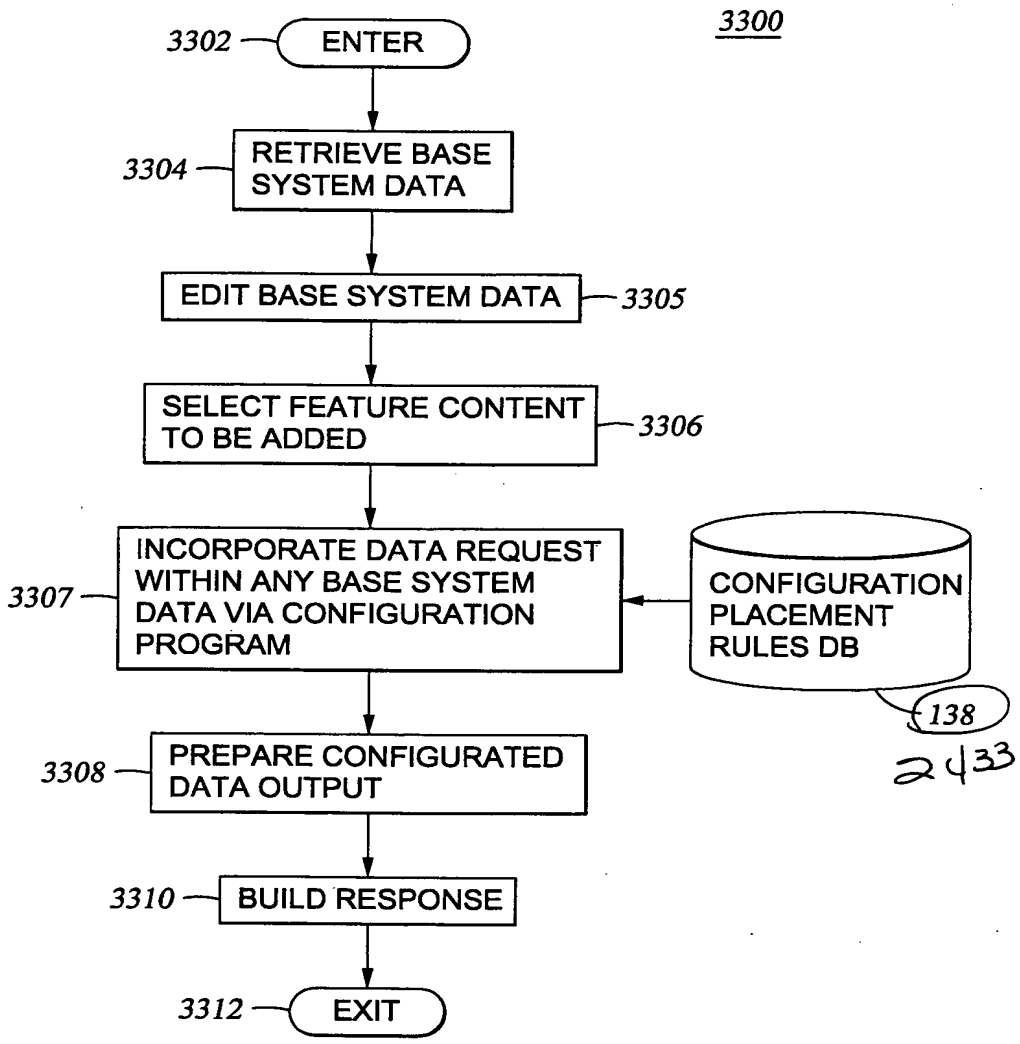
3300
3302
ENTER
3304
RETRIEVE BASE SYSTEM DATA
EDIT BASE SYSTEM DATA
3305
SELECT FEATURE CONTENT TO BE ADDED
3306
3307
INCORPORATE DATA REQUEST WITHIN ANY BASE SYSTEM DATA VIA CONFIGURATION PROGRAM
CONFIGURATION PLACEMENT RULES DB
138
2433
3308
PREPARE CONFIGURATED DATA OUTPUT
3310
BUILD RESPONSE
3312
EXIT

Fig. 33

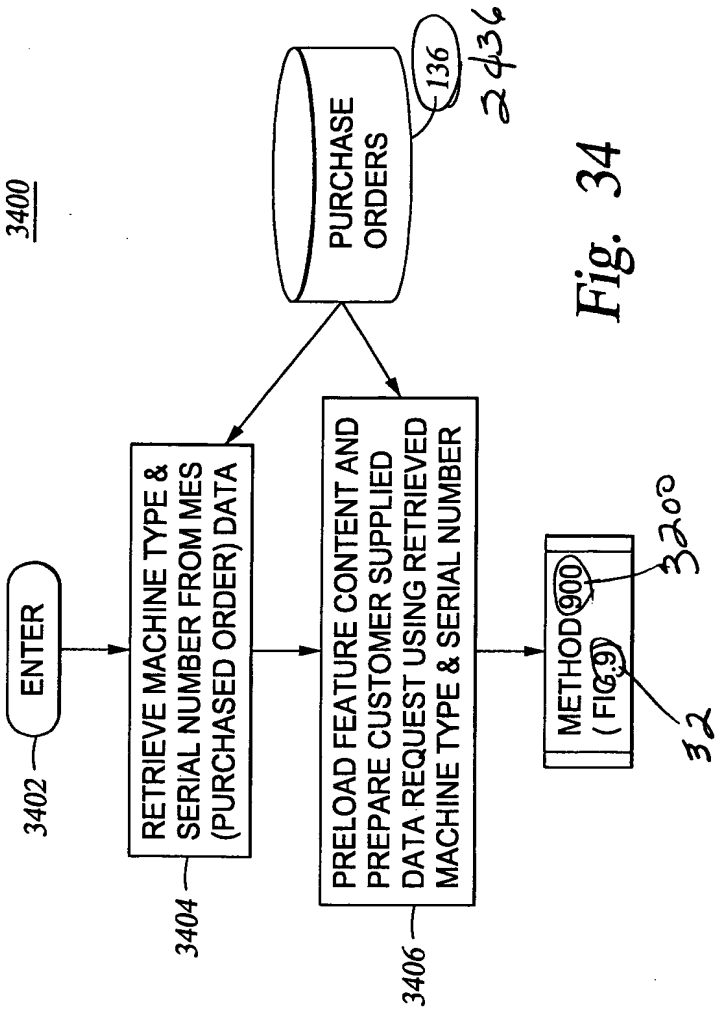
3400
PURCHASE ORDERS
136
2436
ENTER
3402
RETRIEVE MACHINE TYPE & SERIAL NUMBER FROM MES (PURCHASED ORDER) DATA
3404
PRELOAD FEATURE CONTENT AND PREPARE CUSTOMER SUPPLIED DATA REQUEST USING RETRIEVED MACHINE TYPE & SERIAL NUMBER
3406
METHOD 900 (FIG. 9)
3200
32

Fig. 34

3500

ADDRESS

IBM

5074 I/O EXPANSION
UNIT MODEL: 820

EDIT RETURN

MACHINE TYPE: 9406 SERIAL NUMBER: 0012345
FRAME: 2 VPD DATE: 00/12/21

PCI CARDS
REAR VIEW - LEFT SIDE

POSITION	POSITION DESCRIPTION	CCIN
C01	IOP	2843
C02	IOA	2748
C03	IOP/IOA	2838
C04	IOA	*2749*
C05	IOP/INS	EMPTY
C06	IOA	EMPTY
C07	IOA	EMPTY
C08	HSL - NOT A PCI POSITION	
C09	IOP/IOA	EMPTY
C10	IOA	EMPTY
C11	IOP/INS	EMPTY
C12	IOA	EMPTY
C13	IOA	EMPTY
C14	IOP/IOA	EMPTY
C15	IOA	EMPTY

REAR VIEW - RIGHT SIDE
PCI CARDS

Fig. 35